Radio Shack®

The Technology Store™ for 64 Years

Engineered for excellence in performance and value, TRS-80® for 1985 represents the broadest line of microcomputers the world has ever seen. We have powerful computers you can slip into your briefcase, full-featured desktop computers and sophisticated multi-user systems. Each is backed with the best in software as well as a full line of accessories. And every TRS-80 carries a vision of tomorrow that could only come from the pioneering force in microcomputers: Radio Shack, a division of Tandy Corporation.

1985 TRS-80 CATALOG

No. RSC-12

"WE INVITE COMPARISON"

Radio Shack COMPUTER CENTER

Radio Shack PLUS COMPUTER CENTER

Radio Shack COMPUTER CENTER TELEPHONE CENTER

No Other Company Offers More Than Radio Shack

When you buy from Radio Shack, you're not just buying a computer, you're buying a computer company! Radio Shack invests heavily in product development so that our line is constantly updated with new technology. By staying a step ahead, we keep quality high and costs down. TRS-80 computers are engineered for excellence, and they're backed with Total Support. Over 430 Radio Shack Computer Centers nationwide feature computer training rooms and local company-owned service facilities with company-trained technicians. Our Radio Shack Plus Computer Centers number over 660, and feature the full line of TRS-80 computers, peripherals, software and other business products. Trained experts are on hand to help you. Our newest type of store is the Computer Center/Telephone Center. In addition to computers, these facilities specialize in business telephone system sales, leasing, planning, installation and service. Wherever you see one of these signs, you know you can buy the latest in technology at affordable prices.

Affordable Classroom Computing

Professional Service For OEM's

We're Organized to Meet Every Need

Education Division. Radio Shack is committed to education, always working to meet the needs of educators nationwide. We offer one of the most comprehensive libraries of educational software available anywhere. And we're helping introduce teachers to the benefits of computers in schools by providing training at no charge. Direct inquiries to: Education Division, 1400 One Tandy Center, Fort Worth, TX 76102.

National Account Division. Radio Shack provides for the special needs of corporations and quantity buyers. We'll help solve your company's computer application and communication needs, including employee training. Direct inquiries to: National Account Division, 1400 One Tandy Center, Fort Worth, TX 76102.

Tandy Contract Marketing. OEM's and System Houses become a part of our success story by designing and selling vertical market application packages configured with our computers. Tandy is your single-source supplier. Direct inquiries to: Tandy Contract Marketing, 1400 One Tandy Center, Fort Worth, TX 76102.

TANDY Radio Shack ADVANCED TECHNOLOGY SERIES ...AND AFFORDABLE TOO

Introducing Our Exclusive Advanced Technology Series

For over 60 years, Radio Shack has been bringing the latest in electronic technology to the marketplace. Products that carry the ADVANCED TECHNOLOGY Series emblem of excellence represent the state-of-the-art in new technology, outstanding quality and price breakthrough. For 1985, the emblem has been awarded to the best of the best—the Tandy TRS-80 Model 2000 and TRS-80 Model 100 computers, and the CGP-220 color ink-jet printer.

These Cards Good At Most Locations

The Right Credit and Leasing Plans for You

Radio Shack honors American Express, MasterCard and Radio Shack/CitiLine. With your CitiLine card, you can finance initial purchases of $225 or more and subsequent purchases of $100 or more. Simply fill out the CitiLine application card that's available at any Radio Shack Computer Center or participating store or dealer—no fee required. Upon approval by Citibank, often within the hour, you can take your purchases home. Payments can be spread over 30 months, or paid in full anytime.

Your business can lease any TRS-80 computer system valued over $1500 on a 37-month lease. And since ours is a true lease, payments may be fully tax deductible as a business expense. We can provide leasing terms to non-profit, governmental and educational organizations, too. Get complete details at your Radio Shack Computer Center.

© 1984 Tandy Corporation, Fort Worth, Texas 76102. Prices apply at Radio Shack Computer Centers and participating Radio Shack stores and dealers. The Company cannot be liable for pictorial or typographical errors. Some computer equipment may require special order. VisiCalc/Registered TM VisiCorp. Time Manager, Project Manager, Personnel Manager/TM Image Producers. ReformaTTer/TM Microtech Exports. WESTLAW/TM West Publishing Co. DEC/Registered TM Digital Equipment Corp. IBM/Registered TM International Business Machines Corp. Apple/Registered TM Apple Computers. CompuServe/Registered TM CompuServe, Inc. Dow Jones News/Retrieval/Registered TM Dow Jones & Co., Inc. Monty/TM Ritam Corp. Planetfall, The Witness and ZORK/TM Infocom, Inc. Gammon Gambler/TM Dream Machine Collective. Scrabble/Registered TM Selchow & Richter Co. Monopoly/Registered TM Parker Brothers, Inc. Desktop/Plan/TM Marton, Inc. Electronic Broker/TM Electronic Broker, Inc. TeleVideo/Registered TM TeleVideo Systems, Inc. LDOS/TM Logical Systems, Inc. STOCKPAK/TM Standard & Poor's, Inc. PET/Registered TM Commodore Computers. AgriData/TM AgriData Resources for its information and computing network. Poltergeist/© 1982 Metro-Goldwyn-Mayer Film Co. and SLM Entertainment LTD. PASCAL-2/TM Oregon Software.

RADIO SHACK COMPUTER CENTERS PROVIDE TRS-80 OWNERS WITH THE TOTAL SOFTWARE SOLUTION

Three Ways to Get Software for Your TRS-80

Off the Shelf. You'll find the most popular software right in this catalog! Just use the index at right to find a wide variety of software for your TRS-80 computer. Virtually all of these programs are available "off the shelf" at either your local Radio Shack Computer Center or at participating Radio Shack stores and dealers. Every program undergoes a series of thorough research, evaluation, and testing.

Express Order Software. This exclusive service brings you other top-name software. These packages are performance proven, ready to run, and professionally supported by each software vendor. Express Order Software programs can be ordered at any Radio Shack Computer Center, store or participating dealer nationwide. Orders are transmitted electronically and shipped the following day for super-fast service! Select from a wide variety of programs already available. More packages are being added every month—stop by any Radio Shack Computer Center for an up-to-date list of these popular programs.

Referral Software Service. We've put an end to your search for hard to find software! Stop by any Radio Shack Computer Center and ask to see our Directory of Reviewed Software. It's packed with hundreds of specialized software applications that have been custom designed for businesses just like yours. Updated monthly, the directory shows you where to buy some of the newest and most innovative software available, from client write-up for accountants, fixed asset record keeping, information processing for florists, farm accounting, real estate sales and more. Each package has been evaluated by our professionals. These packages are not sold or supported by Radio Shack. Complete information on how to contact and order from the independent vendor is provided in the Directory.

Software Developers! Take advantage of this Unique Opportunity. The Radio Shack Software Support Program aggressively assists third party software firms in developing and/or converting reliable, specialized software for TRS-80 microcomputers. And you become eligible for the Software Review Program, possible listing in the Directory of Reviewed Software, and consideration for the Express Order Software service. For complete details, contact Radio Shack, Outside Software Support Program, 1300 One Tandy Center, Fort Worth Texas 76102.

Professional Training is Available at Radio Shack Computer Centers

Learn to use your TRS-80 computer and TRS-80 software in our fully-equipped training facilities. We supply everything you need, including qualified instructors, computers and carry-away student guides. Proven learning techniques are employed to insure maximum effectiveness in a minimum of time. Training is available for equipment operation, introductory and intermediate word processing, data base management, spreadsheet applications, operating systems, and introductory, intermediate and advanced TRS-80 BASIC programming (not all training available at all locations). Pick up a copy of our new Product Training Catalog at your Radio Shack Computer Center today!

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Quantity Discounts

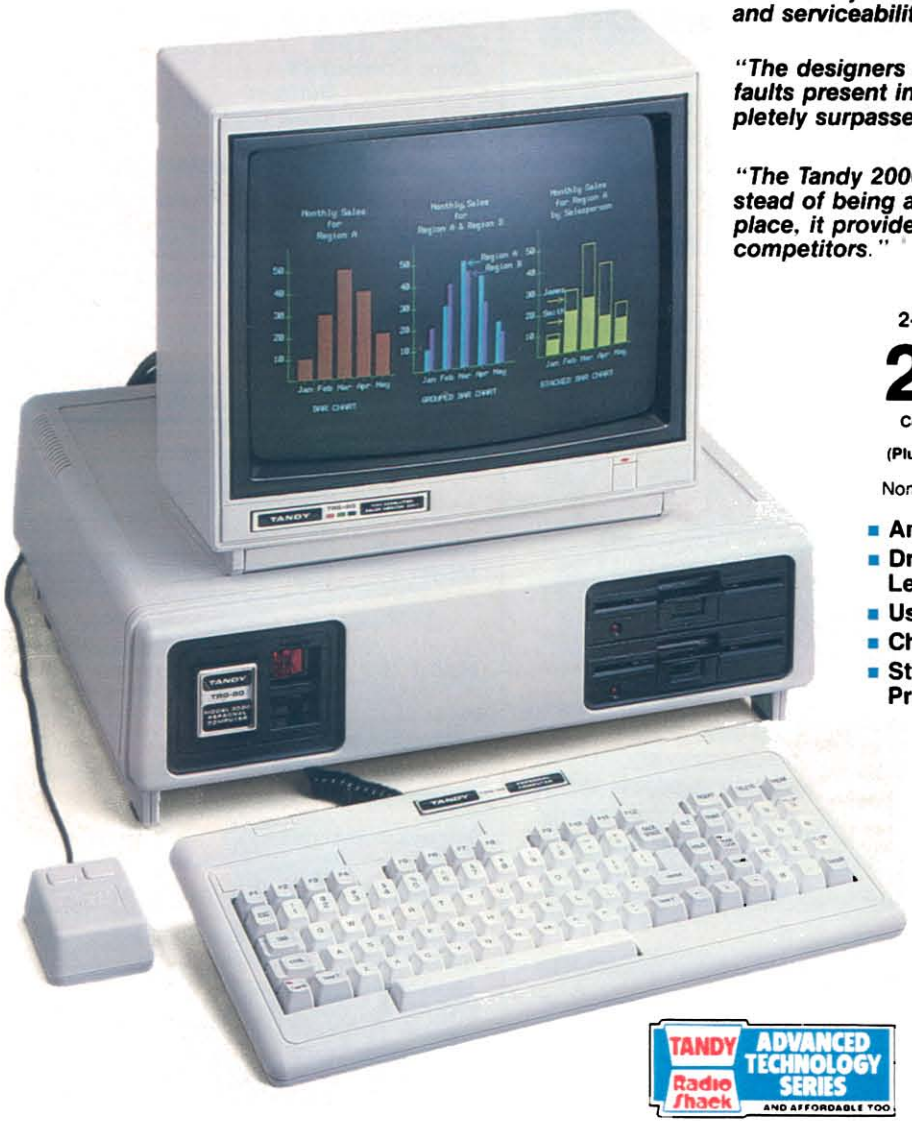
Product	6-11 of 1 item	12-49 of 1 item	50-499 of 1 item	500-Up of 1 item
Software, Books, Accessories, Ribbons, Paper	10%	15%	17%	20%
Model 100, Pocket & Color Computers, Printers, Peripherals	5%	10%	15%	20%
Model 4 Cassette Computers	5%	7%	10%	15%
Model 4/4P Disk Computers, Model 12, 16B & 2000 Computers	5%	10%	(See store manager for quantities over 20.)	

For discounts on diskettes and cassettes, see page 42 and 43. All prices and terms optional in Dealer/Franchise stores. Prices are subject to change without notice.

Computer Discovery/TM Science Research Associates. XENIX, Microsoft-Word, Multiplan and MS/TM Microsoft Corp. UNIX/TM Bell Laboratories. CHAMPS/TM J.R. Dewey and M.L. Rouh. Arcnet/TM Datapoint. CP/M, CP/M Plus, CBASIC and MP/M II/TM Digital Research. Z-80/Registered TM Zilog Corp. PFS: Registered/TM Software Publishing. PlannerCalc/TM Comshare. OS-9 and BASIC 09/TM Microware and Motorola, Inc. MultiMate/TM MultiMate International, Inc. dBaseII/TM Ashton-Tate. MAI/Basic Four/TM Management Assistance, Inc. The Home Accountant Plus/TM Continental Software. RM/TM Ryan-McFarland. TI/Registered TM Texas Instruments, Inc. COMPAQ/TM COMPAQ Computer Corp. ZAXXON/TM Sega, Inc. BIS-3270/BIS-3780/Micro-SNA/3270/ Registered TM Micro-Integration, Inc. CLEO/TM Phone-1, Inc. Disk Drive Analyzer/TM Verbatim Corp. XEROX/ Registered TM XEROX Corp. Cosmic Fighter, Meteor Mission 2, Defense Command, Stellar Escort/TM Waltrich. DR Graph, DR Draw/TM Digital Research, Inc. Ovation/TM Ovation Technologies, Inc. 1-2-3/TM Lotus Development Corp. SuperCalc/ Registered TM Sorcim Corp. Computer Diplomacy/TM Avalon Hill Game Co. Frogger/TM Sega Enterprises, Inc. DynaCalc/TM Computer Systems of St. Louis. Unify/TM Unify Corp. TK! Solver/TM Software Arts, Inc. Spinnaker/TM Spinnaker, Inc.

TANDY 2000 PERSONAL COMPUTER

For Power, Speed and Graphics—You Owe It to Yourself to Compare!



"The Tandy 2000's ease of use, performance, documentation and serviceability are excellent."

—InfoWorld, June 18, 1984

"The designers at Radio Shack have corrected many of the faults present in the IBM PC, and in some respects, have completely surpassed it."

—Byte, March, 1984

"The Tandy 2000 Personal Computer is a pleasure to use. Instead of being a ho-hum addition to an overcrowded marketplace, it provides several significant improvements over its competitors."

—Popular Computing, July, 1984

2-Disk Model 2000

2750.00

Commercial Lease Available For Only $95 Per Month (Plus Applicable Use/Sales Tax)

Hard Disk Model 2000 HD

4250.00

Commercial Lease Available For Only $150 Per Month (Plus Applicable Use/Sales Tax)

Non-interlaced monitor, color graphics and Digi-Mouse not included

- **An Ultra-High Performance MS-DOS System**
- **Dramatic Speed and Increased Storage Capacity Let You Perform Bigger Tasks in Less Time**
- **User-Expandable to Easily Meet Your Future Needs**
- **Choose From the Hottest Names in Software**
- **Stylish, Ergonomic Design Gives You Maximum Productivity—Looks Great in Any Office**

TANDY Radio Shack ADVANCED TECHNOLOGY SERIES AND AFFORDABLE TOO

Compare the Tandy 2000 to the IBM Personal Computer

Feature Description	Tandy TRS-80 Model 2000	IBM Personal Computer
Disk Capacity Per Drive	720K	320K
Clock Speed	8 MHz	4.7 MHz
True 16-Bit Microprocessor	Yes (80186) 16-bit/16-bit data path	No (8088) 16-bit/8-bit data path
User-Available Expansion Slots†	4	2
Graphics Options		
Color Resolution	640 x 400	320 x 200
Number of Colors	8	4
Monochrome Resolution	640 x 400	640 x 200
Graphics on Monochrome Monitor	Yes	No

Setting New Standards for Personal Computers

The Tandy TRS-80 Model 2000 is a truly remarkable computer that offers you much more than other 16-bit MS-DOS based computers. More speed. More disk storage. More expansion. Advanced graphics. And the superior quality and support that keeps Tandy Corporation at the forefront of the industry.

Large Library of Proven Software

The industry standard MS-DOS operating system lets us bring you the most popular and sophisticated programs on today's market. Programs like Lotus 1-2-3, dBASE II, Microsoft-Multiplan, PFS:File, MultiMate, SuperCalc³ and many more.

Extremely High Speed

A "next generation" true 16-bit CPU makes the Tandy 2000 dramatically faster than other MS-DOS computers. That means Tandy 2000 software runs faster, so you get the job done quicker.

Vast Storage Capacity

The Tandy 2000's two floppy disk drives let you store more documents and crunch through bigger tasks with ease. For even greater storage, the Tandy TRS-80 Model 2000 HD features a built-in 10-million-character hard disk drive.

Flexible, Ergonomic Design

The Tandy 2000 easily adapts to you and your environment. In fact, you can actually "fine-tune" the modular system to your personal needs. Using our space-saving options, you have the smallest possible desk "footprint"—only 8½ x 12¼". And the low-profile, 90-key keyboard with 12 function keys and a 10-key numeric datapad assures fast, comfortable typing.

Easy Expansion Capabilities

Add additional memory, stunning high-resolution monochrome and color graphics, our Digi-Mouse™ and more. And you can install most of these options yourself.

Compare the Tandy 2000 to Other MS-DOS Computers

In actual benchmark comparisons, Tandy 2000's true 16-bit microprocessor performed almost three times faster than the IBM PC.* Each Tandy 2000 disk drive offers over twice the storage of an IBM PC drive, but still reads and writes their format. Our color graphics are twice the resolution of COMPAQ or IBM, and offer twice as many colors. And all four of our user-accessible card slots are available for future growth. Putting it simply, the Tandy TRS-80 Model 2000 delivers extraordinary quality with higher performance than other popular computers, including the IBM PC. U.L. listed.

128K 2-Disk Tandy 2000. 26-5103 . . . . . 2750.00

256K 1-Disk Tandy 2000 With 10-Megabyte Hard Disk. 26-5104 . . . . . 4250.00

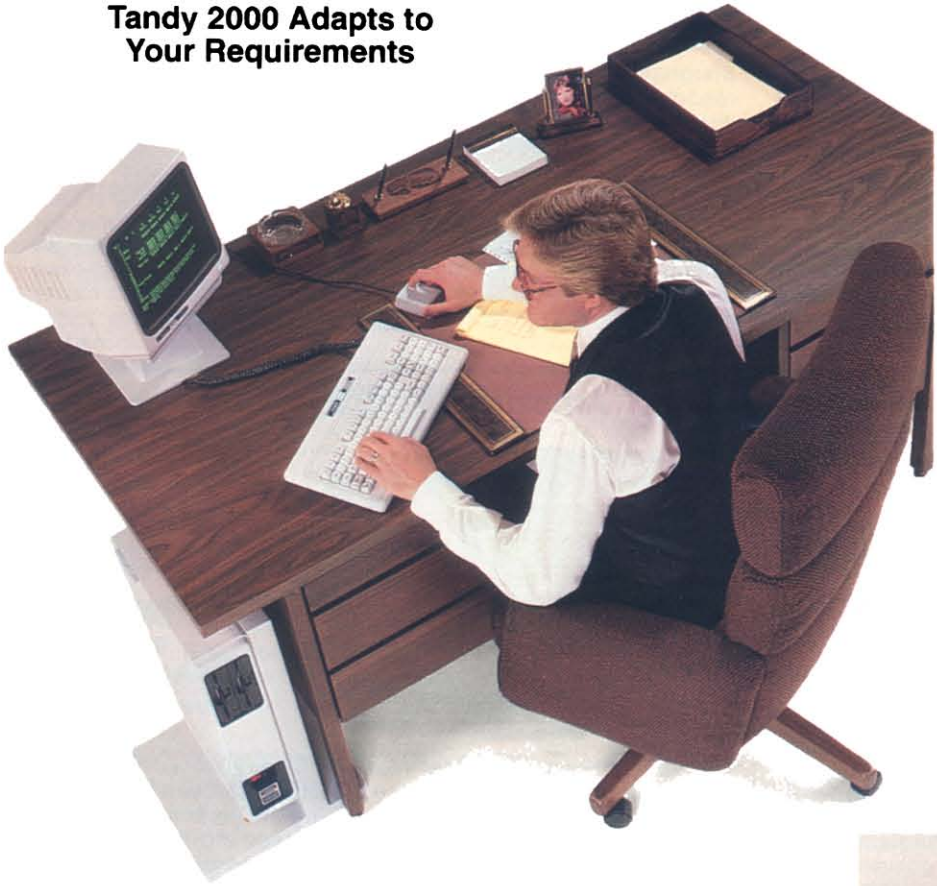
*80 Micro Magazine, May 1984. Quotes used permission. InfoWorld © 1984 CW Communications, Inc. Byte © 1984 Rich Malloy and Byte Publications, Inc. Popular Computing © 1984 Ty Halderman and Bruce Williamson and McGraw-Hill, Inc. All rights reserved.

†Comparable IBM configuration with monochrome adapter and display, communications adapter, two 320K disk drives and 128K RAM.

TANDY 2000 EXPANSION OPTIONS

Experience the Ultimate in System Flexibility

Tandy 2000 Adapts to Your Requirements



Tandy 2000 Display Monitors and Space-Saving Options

Choose Your Display Monitor

We offer two display monitors for Tandy 2000 to suit your needs. Both the VM-1 High-Resolution Monochrome Monitor and the CM-1 High-Resolution Color Monitor tilt 5 or 10 degrees so you can find your best viewing angle, and each features an 80 x 25 display for easy viewing. The VM-1 has a 12" green phosphor, non-glare screen and can display optional graphics. The 14" CM-1 gives you vivid 8-color graphics with the Monochrome/Color Graphics options.

VM-1 Monochrome Monitor.
26-5111 . . . . . 249.00

CM-1 Color Monitor. Requires #26-5140 graphics option. 26-5112 . . . . . 799.00

Space-Saving Options

Tandy 2000 is more than just attractive, it's a milestone in ergonomic design. Choose the Floor Stand to position the CPU beside or under your desk to increase usable space. The compact Monitor Pedestal for your VM-1 monitor tilts and swivels to give you the very best viewing angle.

Monitor Pedestal. 26-5115 . . . . . 89.95

Floor Stand. 26-5116 . . . . . 145.00

Your Tandy 2000 Personal Computer is Easy to Expand to meet Future Needs

High-Resolution Monochrome Graphics

Produce detailed business graphs, tables, charts and more on either the VM-1 Monochrome or CM-1 Color Monitor. 256,000 picture elements (640 x 400) produce amazing detail. User installable. 26-5140 . . . . . 449.00

High-Resolution Color Graphics Chip Kit

Create spectacular 640 x 400 color graphics on the CM-1 monitor. Displays 8 of 16 colors. Requires Monochrome Graphics Option. Does not use a card slot. User installable; however, installation by our technicians is recommended. 26-5141 . . . . . 199.00

Digi-Mouse Two-Button Mouse

Plugs in for easy cursor movement in programs like Microsoft Word, DR Graph and DR Draw, and others. Requires 26-5144, below. 26-1197. . . . . 99.95

Digi-Mouse/Clock Controller Board

Dual-purpose board includes controller for Digi-Mouse and perpetual time/date clock so that you don't have to re-input time and date into your applications programs. Includes demo program and documentation on how to use the Digi-Mouse in your programs. Battery back-up. User installable.
26-5144. . . . . 119.95

You can slide expansion boards easily into slots in the back of the computer (as shown above).

Memory Expansion Options

Internal 128K RAM Kit. Does not use a card slot. Installation required, not included.
26-5160 . . . . . 299.00

External 256K Expansion Board. Comes with 128K RAM. 128K Upgrade (26-5162, below) expands each board to 256K RAM. Two boards can be added. User installable.
26-5161 . . . . . 499.00

128K RAM Upgrade. Installs on External Expansion Board (26-5161, above). User installable, however, installation by our technicians is recommended.
26-5162 . . . . . 299.00

Internal 10-Megabyte Hard Disk. Requires installation, not included. 26-5125 . . . . . 1699.00

SPECIFICATIONS. Microprocessor: Intel 80186 processor with 16-bit data path. Clock speed, 8 MHz. Object code compatible with 8086/8088. Two direct memory access channels. Three programmable timers. **Operating System:** Includes Microsoft's advanced MS-DOS 2.0 with BASIC. **Memory:** 128K RAM with parity, expandable to 768K. Includes power-up diagnostics. Sound included. **Keyboard:** 90-key sculptured, including numeric entry keypad. Special keys include HOLD, ESCape, BREAK, CTRL, CAPS, INSERT, DELETE, HOME, Up, Down, Right and Left arrows. Twelve programmable Special Function keys. Retractable legs, 6 ft. coil cable and tactile keyclick. **Video Display:** Optional high-resolution, non-glare, non-interlaced 12" monochrome (green) or 14" color monitor. 80 or 40 characters per line by 25 lines. User-definable character set. Reverse video, underline, blank, blink, double-wide/double-high. Smooth scrolling and split screen. Optional high-resolution monochrome and color graphics (displaying 8 colors selected from 16—white, yellow, cyan, green, magenta, red, blue, black. Full and half-intensity). **Disk Drives:** Two built-in double-sided, double-density, thin-line 5 1/4" mini-floppies, with 720K per drive (formatted), 96 tracks per inch. Tandy 2000 HD has one 720K mini-floppy and one 10-megabyte hard disk drive. **Internal Expansion:** Four available user-accessible plug-in card slots. An additional 128K of memory does not require user slot. **External Connections:** Standard parallel port, RS-232C serial communications port, monochrome monitor, AC outlet. **Dimensions:** 8 1/2 x 12 1/4" footprint (pedestal base) when using floor stand and pedestal, keyboard in lap. 18 3/4 x 21 1/4" with monitor on CPU and keyboard under CPU. Keyboard 6 1/4" x 7 3/4". **Power Requirement:** 120VAC, 60 Hz.

POWERFUL TANDY 2000 PROGRAMS

The pfs:series is Highly Recommended for First-Time Users

pfs:®

- **Use Them Separately or Together**
- **Learning One Makes Learning the Others Easy**
- **All Come With Superb Owner's Manuals**

Choose from this family of software for extremely user-friendly programs. Programs interact with each other so you only need to enter data once.

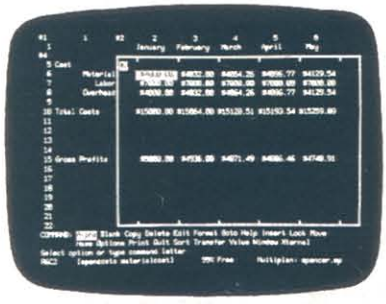
pfs:file. A very simple way to create and organize your own personalized business or personal filing system. You decide how your records are to appear by simply organizing information on "forms" that you design right on your display screen. Once you've created the basic form it's easy to store information—you just fill in the blanks. Enter data in any order that you like. Retrieval is not limited by the order in which information is stored. Now you can retrieve and review information in a fraction of the time it would take with a conventional filing system! 26-5305 . . . . . 140.00

pfs:report. A powerful analysis tool that creates presentation-quality tabular reports from sales, inventory and other data stored in pfs:file. Sort from any data category and calculate averages, totals, subtotals and more. Prints in alphabetical or numerical order with automatic centering and justification. 26-5306 . . . . . 125.00

pfs:graph. An easy way to turn complex numerical data into easy-to-read graphs. Accepts data from pfs:file or from the keyboard. Quickly displays and prints data in your choice of bar, line or pie charts. Each chart can contain one to four graphs. Requires 256K and 26-5140 and/or 26-5141. 26-5307 (Avail. 11/15/84) 140.00

pfs:write. Easily create documents with page headings and footings, centered text, right or left justification and more. The monitor displays boldface and underlined text. Best of all, pfs: write can use information stored in pfs:file to personalize form letters and even address the envelopes! Documents can be illustrated with charts created by pfs:graph or tables from pfs:report. Requires 256K. 26-5309 (Avail. 10/30/84) 140.00

Advanced Multiplan Spreadsheet



NEW LOW PRICE!

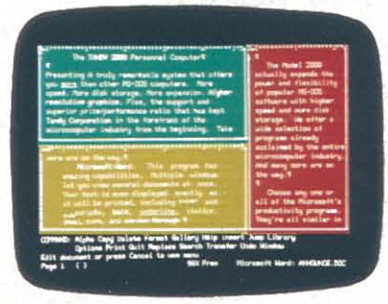
195.00

Was $249.95 in Cat. RSC-11

USE YOUR Radio Shack CITILINE

Microsoft-Multiplan. This popular "second generation" spreadsheet lets you link different worksheets so information is transferred between them automatically. Up to eight display windows can be created on the screen simultaneously. You can assign plain-English names to any column, cell or area, vary individual column widths, center numbers and text within a column and align decimals. Sorting can be performed in alphabetical or numerical order. Cells can be set up individually, by row, column, block—or globally. Cell entries can be left or right justified, and can display values graphically or as integers. An on-line reference guide makes Multiplan exceptionally easy to use. Flexible formatting options let you print elegant finished reports. Includes tutorial manual. 26-5311 . . . . . 195.00

Amazing Microsoft Word



NEW FOR '85

375.00

AS LOW AS $28 PER MONTH

Radio Shack CITILINE

Microsoft Word. Get the most from your Tandy 2000 with this deluxe word processing system. Add our optional Digi-Mouse and move text and select commands without even using the keyboard! Word displays up to eight windows at once, so you can move text from one document to another with ease. Text is displayed in boldface, italics, underlines, super and subscripts, small caps—all without any confusing symbols. More information on the various commands are displayed by pressing a single "help" key. Use the CM-1 color monitor and enjoy color-coded text. Supports automatic footers, multi-column formats, multiple style sheets, and much more. Requires 256K and monochrome or color graphics.
26-5314 (Avail. 11/15/84) 375.00

dBASE II Data Base Manager

NEW LOW PRICE!

495.00

Was $595.00 in Cat. RSC-11

AS LOW AS $35 PER MONTH

Radio Shack CITILINE

- **Custom Design Your Own Information System**
- **Full-Screen Editing Capability**

dBASE II. An extremely powerful relational data base management tool that permits easy manipulation of data bases using English-like commands. You can quickly create a full business information system that will grow as you grow. You can set up a screen format to see exactly what you're going to get. It also lets you enter data simply by filling in the blanks. And you can easily add, delete, edit, display and print your information. You can continue to use your existing checks, invoices and other forms, because dBASE II adapts to your way of doing business. Create reports that access data in several data bases and automatically do multiplication, division, sub-totals, totals and other data manipulation every time you use them. And you can change the file format at any time without re-entering data. Your data base can be set up so that your least experienced personnel can perform complex business functions using just two words, like "Do Invoices" or "Do Payroll". Provides a maximum of 65,535 records per data base file and a maximum of 1000 characters per record. 10-digit numeric accuracy. Requires 256K.
26-5352 . . . . . 495.00

MultiMate Word Processing

249.95

AS LOW AS $26 PER MONTH

Radio Shack CITILINE

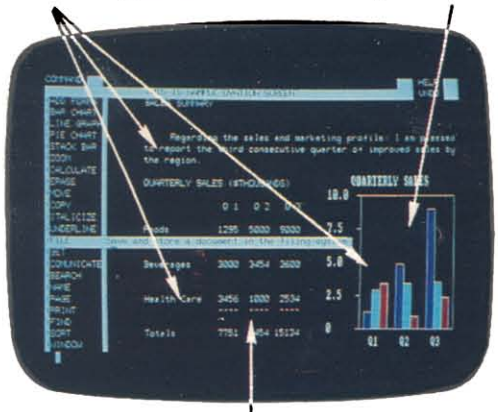
- **Stores an Unlimited Amount of "Boilerplate" Text**
- **Perform Addition and Subtraction on Numerical Data Contained Within Your Text**

MultiMate. MultiMate actually duplicates the features of dedicated word processors. It s packed with over 100 features and functions—most of which can be accessed with just one or two keystrokes. To save time, you can edit one document while printing others and create form letters and mailing lists. The column calculation feature can add or subtract columns or lines of numerical data to provide considerable flexibility and versatility when creating or editing documents with numerical data. You can even create documents from the ASCII files of another program. Often-used "boilerplate" text consisting of a phrase, paragraphs or even a complete page can be recalled for insertion into a document whenever specified. MultiMate takes full advantage of your Tandy 2000's function keys. An unlimited number of format lines may be included in a document. The header and footer function is unsurpassed in flexibility and ease of use. Alternate headers and footers are also supported. Includes 70,000-word verifier/corrector from Houghton-Mifflin. MultiMate features on-screen help and a superb manual. Requires 256K.
26-5330 . . . . . 249.95

NEW! INTEGRATED SOFTWARE

Displays Text, Graphs and Spreadsheets Together

Graphs Can Be Displayed Anywhere in Your Text



Changing a Number in Text or Spreadsheet Instantly Updates Your Graphics

Revolutionary Ovation Package Links Five Applications

- **Truly Integrated—Combines Text, Spreadsheets and Graphics in a Single Document**
- **27 English Commands—Easy to Learn**
- **Includes Communications and Information Management Applications Programs, too**

Ovation*. Create reports, forecasts, graphs, data base systems—even exchange data with other computer systems. It's all incredibly easy because the same 27 plain-English commands are used in all of the programs! Spreadsheets can contain over seven million cells. Word processing features the ability to perform calculations in the middle of text. Text enhancements appear on the screen as they will look when printed. You get true integration without ever leaving your document!

Tandy 2000 Version. Requires Tandy 2000 HD with 512K and graphics option (26-5140 and 26-5141). 26-5301 . . . . . 795.00

IBM PC Version. Requires 512K IBM PC-XT and IBM color card. 26-5303 . . . . . 795.00

*Under development

Popular Lotus 1-2-3

NEW FOR '85 **495.00** AS LOW AS $30 PER MONTH

- **One of The Most Widely Used Integrated Software Packages in the World**
- **Turn Spreadsheet Data into Graphs With Just a Touch of a Key**
- **Tandy 2000 Performs Computations Over Three Times Faster Than the IBM PC**

Lotus 1-2-3. An easy way to go from spreadsheet to graphics to information management—instantly! Perhaps you're working on a spreadsheet of financial projections and you'd like to get a graph of quarterly sales for the last five years. With individual software, you'd need to go through a tedious, time-consuming series of steps. You'd need to swap your spreadsheet disk for your graphics disk, re-enter all the data and program the computer to draw your graph. And if you decided to change just a single number, you'd have to reverse the process and start all over again.

Save Time with 1-2-3. With 1-2-3, you can go from one format to another instantly. You can change your spreadsheet data directly and then graph it in less than a second. Take data from your spreadsheet and search and sort it. Special "Macro" keys let you substitute a single keystroke for a long sequence. And if needed, just press a Help key for on-screen instructions.

Spreadsheet Analysis. Gives you 256 columns and 2048 rows to work with. Set up rows and columns just the way you want, varying sizes to fit your needs. Enter formulas in plain-English instead of obscure symbols. Calculates present, net present and future values, variance, standard deviation, internal rate of return and more.

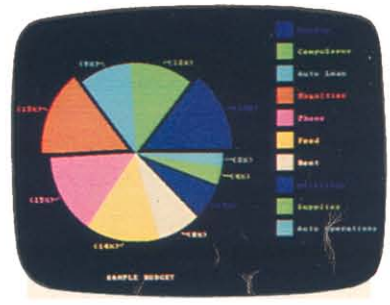
Superior Graphics. Sophisticated graphing commands take advantage of Tandy 2000's higher resolution to create detailed bar charts, stacked bar charts, line or symbol graphs, XY graphs or pie charts.

Easy Sorting. The information management function lets you store up to 2000 records and sort with primary and secondary keys. And information can be retrieved and used as variables for spreadsheet analysis. Lotus includes on-disk tutorial, user manual, quick reference card and function key templates. Requires 256K.
26-5300 . . . . . 495.00

1-2-3 Performance Comparison

Function	IBM PC	Tandy 2000
Spreadsheet recalculation of 3 columns × 200 rows	9.5 seconds	3 seconds
Database sorting of 172 records with four fields using a primary and a secondary key	5 seconds	2 seconds

SuperCalc3 Advanced Spreadsheet



NEW FOR '85

395.00

AS LOW AS $28 PER MONTH

- **Integrated Graphics and Data Base Management**
- **Prints All Available Plotter Colors**

SuperCalc3. Ideal for professionals and managers, this full-featured program combines a full-featured electronic spreadsheet with high-resolution integrated graphics and data management.

The Graphic Advantage. With SuperCalc, you can solve modeling and forecasting problems, then produce excellent graphics using single-keystroke commands. Create line, bar and stacked bar graphs, pie and exploded pie charts, and even X-Y, Hi-Lo and area graphs. Using your choice of several font types and you can print as many as four charts on the same page. Show negative numbers on the screen in red and protected entries in yellow (requires color monitor).

Powerful Spreadsheet Features. SuperCalc eliminates memory waste on blank cells and takes advantage of additional memory to create larger spreadsheets. It gives you a full 63 columns and 254 rows (16,002 possible entries), along with calendar and date calculation, sorting in dictionary order, one or two-key sort, individually variable column widths, floating dollar signs, data management and an efficient memory manager. Permits inclusion of row and column ranges when deleting, inserting, formatting or using other commands. Command sequences called executive files or "macros" can be created to simplify often-used operations. Information from multiple spreadsheets can be consolidated, and "help" is available on-screen with a single keystroke.

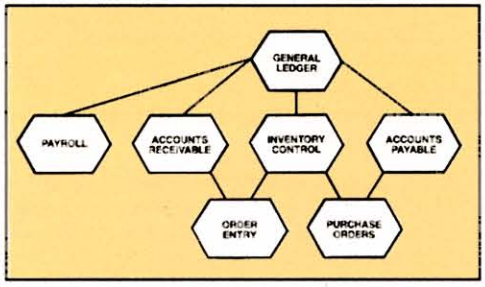
With "10-Minute" Starter Guide

Electronic Filing. SuperCalc's powerful database management feature is based on the spreadsheet model. It allows defining an input range of cells that contain the records and fields of the data to be managed, and permits sorting capability on primary and secondary fields.

Thorough Documentation. In addition to the easy-to-understand manual, SuperCalc includes a self-paced starter guide that will have you using the program in ten minutes.
26-5302 . . . . . 395.00

TANDY 2000 ACCOUNTING SOFTWARE

Streamline Your Bookkeeping with the MAI Basic Four® Interactive Accounting Series



Now Available for the First Time on a Microcomputer!

Already proven in thousands of minicomputer applications, Basic Four's integrated software is just what small businesses have been waiting for. All modules are fully integrated so that data is only entered once. Clear, concise documentation will have you speeding through tasks that used to take days to complete. The commands and menus are similar, so if you learn one, you've practically learned them all.

General Ledger. Aids business management by providing up-to-the-minute financial statements and management tools to help you fully understand your company's financial health. General Ledger conforms to established accounting principles and maintains a complete audit trail to ensure data integrity. You can automatically distribute expenses to different departments in the company. Provides for income tax liability postings, allows you to post transactions for a coming month without closing the current month, and automatically posts recurring journal entries. Prints trial balance, income statements and balance sheets complete with comparisons with prior year activity and budgets. Special transaction codes let you link it to other MAI/Basic Four accounting modules.
26-5210 . . . . . 495.00

Financial Statements. Allows you to easily develop reports from General Ledger data in user-defined formats, including summaries, net changes in financial condition, and more. 26-5211 (Avail. 11/15/84) . . 395.00

Accounts Receivable. Helps you measure your company's sales performance, increase your collections and lower your total accounts receivable. Alerts you to how much and when your customers owe you. You can tailor late charges to individual customers. Provides for cash or accrual basis, ages accounts up to 120 days, maintains balance forward or detailed invoice accounts. Automatically pays the oldest invoice for a customer, or lets you identify the specific invoice paid. Records cash received with multiple deposits on the same day and automatically calculates late charges and sales tax. Statements are printed automatically at the end of a period or on demand. You may enter after-the-fact sales transactions or print invoices. Reports include detailed sales journal, summarized sales journal, cash receipts journal, mailing labels, aged open invoice report, customer detail listing and statements. 26-5213 . . . . . 495.00

Accounts Payable. Assists you in managing your company's out-going cash flow requirements. Alerts you to how much and when you owe each vendor. You select invoices automatically for payment. Tracks payment dates to take advantage of discounts. Provides cash requirements analysis, aged invoice reports and full audit trails. Works on a cash or accrual basis, allows posting to one-time only vendors, calculates discount date and amount and invoice due date automatically. Forecast your cash requirements by month or define your own number of days per period. Prints bank reconciliation, checks, disbursement register, mailing labels and more.
26-5212 . . . . . 495.00

Payroll. Lets you enter, maintain and inquire into an employee's personnel record. You can enter earnings, calculate taxes, collect voluntary deductions and produce payroll checks and supporting governmental and management reports. Prints checks, W-2 forms, payroll distribution report, monthly workman's compensation report, quarterly tax report and more.
26-5218 (Avail. 12/15/84) 495.00

Inventory Control. Keep track of all items in your inventory by item number. Information on each item includes quantity on hand, reorder point, issue and receipt dates, unit price and cost. Choose LIFO, FIFO or average cost as the costing method to be used. 26-5214 . . . . . 495.00

Order Entry. Interfaces with Inventory Control and Accounts Receivable programs to automatically transfer inventory and invoice data. Track orders from the time they are placed until they are filled. Prints invoices and credit memos, with requested payment terms and individual messages on invoices. Maintains open orders that have not been filled, produces picking sheets, packing slips and special order acknowledgements.
26-5215 (Avail. 11/30/84) 395.00

Purchase Orders. Lets you print and maintain open purchase orders. It reads the Vendor File from the Accounts Payable system for vendor names and addresses, and automatically transfers data to the Inventory Control system. 26-5217 . . . . . 395.00

Sales Analysis. Uses data from the Order Entry and Accounts Receivable programs to provide an effective way to evaluate sales activity. Prints summary by salesperson, customer sales analysis, inventory item by customer or salesperson, salesperson invoice register and inventory sales analysis.
26-5216 (Avail. 12/15/84) 395.00

Get the Top Names in Software With Our Express Order Software Service!

- **New Programs are Being Added To Our Selection Every Day, too!**
- **"Next Day" Shipping for Fastest Possible Service**

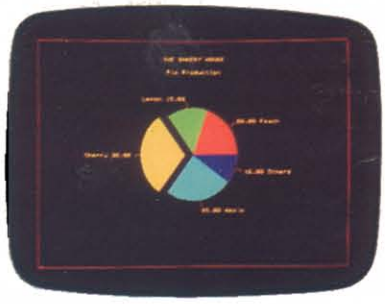
Choose from Popular Packages Like:

- **WordStar from MicroPro International**
- **The Accounting Partner from Star Software Systems**
- **Condor 3 from Condor Computer Corporation**
- **Open Access from Software Products International**
- **TeleTerm-EM from Telexpress, Incorporated**
- **Data Ace from Computer Software Design**
- **EasyWriter I System from Information Unlimited Software**
- **filePro 16 from The Small Computer Company**
- **WordPerfect from Satellite Software**
- **Volkswriter Deluxe from Lifetree Software**

Now in addition to our "off-the-shelf" software, you can get other top sellers through our exclusive Express Order Software Service! These packages are performance proven, ready to run on your Tandy TRS-80 Model 2000 microcomputer, and professionally supported by each software vendor. Select from word processing software like the popular WordStar program—we even sell the companion packages such as SpellStar, StarIndex, CorrectStar, WordStar Professional and MailMerge! Or choose an integrated package like Open Access that combines word processing spreadsheet analysis, information management, communications, 3-D graphics and time management into a single, integrated package. These are but a few of the Express Order Software programs you can order at any Radio Shack Computer Center, store or participating dealer nationwide. Orders are transmitted electronically and shipped the following day for super-fast service. Check it out today!

MORE TOP SELLERS FOR TANDY 2000

See Tandy 2000's Graphics Advantage



NEW FOR '85

Uses Optional Digi-Mouse for Fast, Easy Graphics

195.00

USE YOUR Radio Shack CITILINE

DR Graph. Add impact to your presentations by communicating your message graphically. Displays line, bar, step, stick, scatter, pie and text-only charts on the screen utilizing the superior graphics resolution of the Tandy 2000. Print your graphs on paper or transparencies using a wide variety of printers. Simple screen instructions guide you through every stage of graph design, providing outstanding graphics without extensive training. You choose labels, titles, legends, colors, type styles and borders. Add, move and modify the size of your text at will with the aid of the optional Digi-Mouse. As many as four graphs can be placed on one page. Requires 26-5160 and/or 26-5161.
26-5278 (Avail. 12/30/84) 195.00

Prepare Dramatic Visual Aids

NEW FOR '85

Create Diagrams, Organization Charts, Logos, More with Ease

295.00

AS LOW AS $27 PER MONTH Radio Shack CITILINE

DR Draw. This interactive picture editor will produce amazing presentation-quality charts and diagrams used in written reports and other office communications. To build a picture, select geometric or text elements from the available options, using the optional Digi-Mouse to place elements in the desired location. Picture elements include lines, marker characters, arcs, pie segments, filled rectangles and polygons, and circles. Once created, any element can be moved, copied, scaled or deleted. Zoom in to work on a specific section, zoom back to view the whole picture, or pan to a different section of the diagram. Requires 26-5160 and/or 26-5161.
26-5279 (Avail. 12/30/84) 295.00

Set Up—and Stay on—a Budget!

The Home Accountant Plus. This program's ease of use, power and versatility have made it the number one best-selling home finance package in the country. For instance, you can print a net worth statement on request—so you know your exact financial standing, every day of the year. It will even print your checks, automatically. The Home Accountant also lets you label every transaction you make. When tax time comes around, you'll have every penny you've spent and earned neatly listed by category, and available at the touch of a button. Also displays a bar graph and trend analysis for any selected budget category. Requires 256K.
26-5340 . . . . . 124.95

Fun Adventure Games

Enter a fascinating prose universe with these challenging game programs. Enjoy hours of sophisticated fun!

The Witness. You must solve the crime in this hard-boiled Thirties whodunit thriller.
26-5376 . . . . . 49.95

Planetfall. A sci-fi adventure set in the far future. You're trapped on a deserted planet with a mischevious robot. Together, you will unravel its mysteries.
26-5377 . . . . . 49.95

Powerful Tandy 2000 Programming Languages

COBOL Compiler. Allows you to write your own programs in this widely-used business applications language. Tandy 2000 COBOL Compiler is the popular RM/COBOL (a version of the ANSI 1974-level standard) which includes a complete development system. You get an editor, interactive debug, CRT control and a single pass compiler. If features multi-keyed ISAM (Indexed Sequential Access Method) for quick access of data. Programs developed under this system can run on any other RM/COBOL system. Requires 256K.
26-5257 . . . . . 595.00

Pascal Compiler. A highly extended, portable version of the Pascal language. Compatible with the ISO proposed standard, with numerous extensions to make programming easier. The Tandy 2000 Pascal Compiler generates machine code, allowing programs to run faster than programs compiled to p-code. Extensions facilitate systems programming as well as applications programming. Tandy 2000 Pascal at the systems level is transportable, but you may also use it extend and systems level to make full use of the computer's capabilities. The extend level is intended for structured and relatively safe extensions to the ISO standard, and programs created at this level are portable to other machines running Microsoft's MS-Pascal. At the systems level, Tandy 2000 Pascal includes several unstructured machine-oriented extensions, such as address types and ability to access all file control block fields. In addition, there are a large number of metacommands which can be used to control the compiler. Requires 256K.
26-5256 . . . . . 299.95

FORTRAN Compiler. A subset of FORTRAN-77, a popular computer language for scientific and engineering applications. You may develop programs in FORTRAN, and then have them compiled down to native object code. During optimization the compiler reorders expressions and eliminates common subexpressions, measurably increasing the execution speed of your program. Metacommands are designed to enhance your use of the compiler, including the capability of structuring your source code, leaving notes, and setting up your source formats. You can also enable or disable the generation of a listing file, run time error checking code or use of FORTRAN features that are not a part of the subset or the full language standard. Requires 256K.
26-5255 . . . . . 349.95

Macro Assembler. Assembles symbolic instructions into machine code. It is a powerful program which incorporates many of the features usually found only in large commercial assemblers. You may create an assembly language program using the text editing capabilities of MS-DOS, then use the Macro Assembler to assemble the program. Macros, conditionals and a variety of assembler directives allow you to easily develop applications for the Tandy 2000 microprocessor. In addition, the assembler lets you use more than 75 internal functions provided by MS-DOS that can help you write more complex programs. Tandy 2000 Macro Assembler supports an expanded set of conditional directives. Unneeded or unwanted portions of code are left unassembled to save computer run time. You also have the capability of nesting a maximum of 255 levels of conditional assembly blocks. Requires 256K.
26-5252 . . . . . 99.95

BASIC Compiler. Translates the statements in your BASIC programs into assembly language for faster run times. You can distribute your programs without source code to safeguard the design of your program. Requires 256K.
26-5251 . . . . . 299.95

MULTI-USER TRS-80 MODEL 16B

256K 1-Disk

Priced From 3999.00

Commercial Lease Available for Only $140 Per Month (Plus Applicable Use/Sales Tax)

- **256,000 Characters of Internal Memory—Expandable to 768,000 Characters**
- **Includes TRSDOS Single-User and TRS-XENIX Multi-User Operating Systems**
- **Choose One or Two Built-In 1,250,000-Character 8" Floppy Disk Drives or Our Powerful System With One Floppy Drive and 15-Megabyte Hard Disk Built In**
- **Unique Dual-Processor Design**
- **Four Internal Plug-In Expansion Slots**

America's Most Widely Used Unix-Based Microcomputer. Accomplish complex tasks with ease—the TRS-80 Model 16B puts superior performance in a compact desktop system! Advanced 16/32-bit technology permits the Model 16B to utilize much more memory and process data at much higher speeds than 8-bit micros. Model 16B features 256K memory, easy user expansion and the TRS-XENIX multi-user operating system that lets you turn Model 16B into a three or six-workstation office system (see page 11). You can even choose Model 16B with a built-in 15-megabyte hard disk system!

Who is the Model 16B for?

Everyone who wants the most advanced microcomputer technology at their disposal needs the TRS-80 Model 16B. It's ideally suited for today's offices, providing simultaneous job-handling *without* the expense of multiple computers. It offers the high operating speeds and large memory capacity that many business users require. And it can handle complex, computation-intensive jobs and highly sophisticated programs that only a 16-bit computer can.

Advanced 16/32-Bit Technology. Model 16B is designed around a state-of-the-art 68000 microprocessor that accepts 16-bit data and processes it internally as 32-bit "words". A second microprocessor—the Z-80A—handles input/output and a variety of other "housekeeping" chores.

Software Compatible With Model II/12. Model 16B can use existing Model II/12 software (in the single-user mode only), plus software that's designed to take advantage of Model 16B's advanced features.

Expandable. Two RS-232C serial communication interfaces and a parallel printer interface allow expansion with a variety of peripherals. Add high-resolution graphics, additional memory and more via the user-accessible card cage. Expand with up to four external 15-megabyte hard disks for over 60 million characters of storage.

Deluxe Features. Model 16B includes a high-resolution 12" green video display with 24 lines of 80 characters, and a detachable typewriter-style keyboard with numeric keypad and 8 function keys. You can choose Model 16B with either one or two built-in 1,250,000-character double-sided, double-density 8" slim-line floppy disk drives or one floppy disk and a hard disk drive.

256K 1-Disk Model 16B.
26-6004 . . . . . 3999.00

256K 2-Disk Model 16B.
26-6005 . . . . . 4699.00

256K Model 16B With Built-In Hard Disk. Includes self-contained 1.25-megabyte 8" floppy disk drive *and* a 15-megabyte hard disk drive. Add one external hard disk for a total of 30 megabytes of hard disk storage!
26-6006 . . . . . 6499.00

15-Megabyte Hard Disk Kit. For 1-disk Model 16B or 1-disk Model 12 computers.
26-4154 . . . . . 2495.00

SPECIFICATIONS. Microprocessors: 6 MHz MC68000 16/32-bit CPU and 4MHz Z-80A 8-bit CPU. Direct memory access and vectored interrupts. Memory management includes protected system mode and three user spaces. **Memory:** 256K RAM bytes, expandable to 768K. 16K I/O memory and 2K video memory. **Keyboard:** 82-key professional-type, including Numeric Entry Keypad. Special keys include HOLD, ESCape, BREAK, CTRL, CAPS and REPEAT, plus Up, Down, Right and Left arrow keys and eight programmable Special Function Keys (F1 thru F8). **Video Display:** High-resolution 12" green display monitor with 80 or 40 characters per line by 24 lines. Displays upper and lower case characters with descenders, plus 32 "business graphics" characters. Automatic scrolling. Partial screen scroll protect available. **Disk Drive:** One or two built-in double-sided, double-density 8" slim-line floppies (or one floppy and one 15-megabyte hard disk). **External Expansion:** Add up to two 1.25-megabyte floppies and four 15-megabyte hard disks (one hard disk for 26-6006). **Internal Expansion:** User-accessible Card Cage provides additional plug-in card slots. **External Connections:** One standard parallel port and two RS-232C serial ports. **Dimensions:** 13½ x 21½ x 28⅛" **Power Requirements:** Built-in filtered power supply for 120VAC, 60 Hz. U.L. listed.

Prices Apply at Radio Shack Computer Centers and Participating Radio Shack Stores and Dealers

TRS-XENIX MULTI-USER SYSTEM

Multiply Office Productivity With a 3-Workstation System!

Only $265 Per Month

On Our Commercial Lease
(Plus Applicable Use/Sales Tax)

- **Allows Three Operators to Access Programs Simultaneously**
- **TRS-XENIX Derived from Western Electric's UNIX System**
- **Specially Designed Multi-User Software Available for Accounting, Word Processing, Spreadsheet Analysis and Data Base Managment**

Ideal for Small Business Applications. TRS-XENIX lets you provide the power of the Model 16B to three people in your office without buying three separate systems. Think of it. Three people, all performing different tasks, at the same time, on the same computer! And with our RS-232 Card (below), up to six people can utilize the power of the Model 16B (requires 768K memory).

A 3-User Office System for $7697. The system shown at right includes the 256K TRS-80 Model 16B with built-in 15-megabyte hard disk drive (26-6006) and two DT-1 Data Terminals (26-6050). Best of all, this TRS-XENIX multi-user system costs much less than buying three Model 16B computers!

What Makes It Possible? The TRS-XENIX runtime "core" system comes standard with Model 16B. It's a state-of-the-art multi-user operating system developed by Microsoft Corp. and derived from Western Electric's thoroughly field-tested UNIX operating system.

The Value of Shared Resources. All data is stored on the hard disk. Files can be shared by all users or restricted to certain users. (Record locking prevents two users from writing to the same record at the same time.) And everyone in the system can share the peripherals attached to the Model 16B.

Specially Designed Software. You can choose from a variety of multi-user software. Just think of the possibilites. Your sales department could check inventory levels while someone in accounting updates your general ledger—at the same time someone is working on payroll.

Required cables and installation not included.

Introducing Our Deluxe Data Display Terminal

NEW FOR '85 **795.00**

- **14" High-Resolution Screen Displays 80 or 132 Columns by 26 Lines**
- **Low-Profile, Sculptured Keyboard with 16 Programmable Function Keys, Cursor Control Keys, and Numeric Pad**

SPECIFICATIONS. Data Transfer Rate: Up to 38,400 bps. **Video Size/Format:** 24 lines (plus 2 status lines) of 80 or 132 characters. Upper and lower case. **Video Attributes:** Normal, underline, reverse and dim. **Input/Output:** One RS-232C communications port. **Power:** 120VAC, 60 Hz.

DT-100. Our best! This asynchronous terminal is fully compatible with most DEC and UNIX-based software systems. Features green display screen and a high-resolution character set (128 ASCII characters) for improved user satisfaction. Low-profile keyboard with improved key placement for greater operator efficiency. Terminal configuration is set from the keyboard and retained even when the power is off. U.L. listed. 26-6052 . . . . . 795.00

Multi-User Data Terminal at a New Low Price!

599.00 **Was $699.00 in Cat. RSC-11**

DT-1 Terminal. Use with our multi-user Model 16 or other host computers. Keyboard selectable configurations–no DIP switches. Communications protocol retained when power off. 80 x 24 display. 12 1/2 x 18 7/8 x 21 1/2". U.L. listed.
26-6050 . . . . . 599.00

Expansion Options for Model 16B and TRS-XENIX

Internal Memory. The Model 16B comes with 256,000-character RAM on one memory board. A second 128K memory board may be added to give you 384K. This board can accept a 128K "chip kit" (to give you 512K). You may even add a third board and chip kit to expand memory to the maximum 768K. (Expansion to 768K requires an additional cable kit.)

128K Memory Board. 26-6011 . . 399.00*
128K Memory Kit. 26-6012 . . . . 159.00*

TRSDOS-16 Replacement Diskette.
26-6105 . . . . . 39.95

RS-232 Card. Allows six people (instead of three) to use the power of the Model 16B! Installs in one of the plug-in card slots in a Model 16B or upgraded Model 12. Cable connectors are located on the card's edge for adding up to three more terminals. Requires a minimum of 512K memory (768K recommended) and RS-232 cables.
26-6013 . . . . . 299.00

*Installation Required (not included) for Model II and 16. Installation Recommended (not included) for Model 12 or 16B.

TRS-XENIX Memory Requirements and Recommendations

With three users, most TRS-XENIX applications will run effectively with a minimum of 256K memory. With some applications, three operators accessing large programs may require 384K memory and, in such cases, we recommend 512K. When more than three users are accessing large programs, 512K memory is the minimum requirement and users will obtain better performance with 768K. In general, more memory means higher performance.

MODEL 12 BUSINESS COMPUTERS

Priced From 2799.00 80K 1-Disk

Commercial Lease Available For Only $100 Per Month (Plus Applicable Use/Sales Tax)

- **One or Two Built-In 1.25Mb Double-Sided, Double-Density 8″ Disk Drives**
- **Big 80K Memory Handles Tough Jobs Easily**
- **Upgradable to 16-Bit Power**
- **Detachable 82-Key Keyboard with Numeric Datapad and 8 Function Keys**
- **Built-In 12″ High-Resolution Monitor Displays 24 Lines of 80 Characters**
- **Two RS-232C Serial Interfaces and Parallel Printer Port for Expansion**
- **Choose Ready-to-Run Programs**
- **Compatible with Most Model II Software**

TRS-80 Model 12. An ideal single-user business microcomputer. This stand-alone multi-purpose workstation combines high power with low cost. It has the storage capacity and expandability to make it the right computer for countless applications—whether you are using ready-to-run software or doing your own programming. The TRS-80 Model 12 has been designed especially for small businesses or departmental use in larger firms.

Who is the Model 12 for?

The TRS-80 Model 12 is our best single-user business computer—ideal for professional applications. Its versatility and power in handling word processing, data base filing, planning and accounting tasks make it the logical business machine choice. The Model 12 is also the ideal workstation for large corporations. It can be used as a management assistant, in program development, even for bisynchronous communications with mainframe computers.

Accounting. Model 12 can form the heart of a superb dedicated accounting system. It can streamline general ledger, payables, receivables, inventory, payroll and other tasks for increased speed and accuracy. You'll be able to prepare P&L statements, speed up collections, improve your cash flow, analyze sales information, and more. Our user-oriented programs make it easy!

Program Development. We offer a choice of languages to meet your specific requirements. In addition to Model 12 Interpretive BASIC, we have Compiler BASIC, FORTRAN, Assembler and COBOL.

Management Assistant. Model 12 can help you with planning and forecasting, word processing, electronic filing and more. It lets you do jobs too "hot" for shared computer time or too small for cost-effective handling by your mainframe.

Easy Expansion. Model 12 can be used with a variety of peripherals. You can add hard disk or floppy disk drives, a printer, plotter, telephone modem and more. The 1-drive Model 12 is perfect for expansion to a powerful hard disk system. The 2-drive Model 12 is ideal for stand-alone use.

Complete Documentation. Includes comprehensive reference manual and a diskette that contains BASIC and TRSDOS operating system.

1-Disk Model 12. 26-4004 . . . . . 2799.00

2-Disk Model 12. 26-4005 . . . . . 3499.00

TRSDOS 4.2 Replacement Diskette. Includes BASIC. 26-4912 . . . . . 24.95

TRSDOS 2.0 Replacement Diskette. Includes BASIC. 26-4910 . . . . . 24.95

Model 12 Specifications

Microprocessor: 4MHz Z-80A 8-bit processor. Separate keyboard and video processors. Direct memory access and vectored interrupts. **Memory:** 80K RAM. **Keyboard:** 82-key professional-type, including numeric entry keypad. Special keys include HOLD, ESCape, BREAK, CRTL, CAPS and REPEAT. Up, Down, Right and Left arrow keys. Eight programmable Special Function keys (F1-F8). **Video Display:** High-resolution 12-inch green phosphor 80 x 24 or 40 x 24 display monitor. Displays upper and lower case characters with descenders, plus 32 "business graphics" characters. Automatic scrolling. Partial screen scroll protect available. **Disk Drive:** One or two built-in dual-density 8″ floppies. Add up to two 1.25-megabyte external floppies and four optional 15-megabyte hard disks. **Internal Expansion:** Optional Card Cage (requires installation) for six additional plug-in card slots. **External Connections:** One standard parallel port, two RS-232C serial ports, one external disk bay port. **Dimensions:** 13½ x 21½ x 28⅛″. **Power Requirement:** Built-in filtered power supply for 120VAC, 60 Hz. U.L. listed.

MODEL II/12/16 EXPANSION OPTIONS

Model 12 Card Cage

199.00

Mounts Inside the Model 12

Expansion boards not included

Provides tremendous expansion flexibility! Allows you to tailor your Model 12 computer to the capabilities you need. Provides six plug-in slots for inserting our optional expansion boards. You can add a hard disk controller board, the Model 16 Upgrade Kit, 64K Memory Board, Arcnet board, and High-Resolution Graphics Board. A door panel in back of the "cage" provides easy access. Card Cage requires installation, not included. 26-6017 . . . . . 199.00

Internal Expansion

Model II/12 to 16 Upgrade Kit. Upgrade your Model II or 12 computer to the power of a Model 16! This upgrade maintains software compatibility, allows use of Model 16 programs and supports multi-user operation. Kit contains the MC68000 16-bit microprocessor and a 128K memory board (expandable to 256K). Model II retains existing video and disk drive with a maximum of 512K internal memory (768K for Model 12).
26-6010 . . . . . 899.00*

Model II/12/16 High-Resolution Graphics Upgrade. Create sophisticated on-screen charts, graphs, geometric patterns, even animation using eleven Graphics BASIC commands. 153,600 pixels (640 x 240). Includes graphics board with 32K memory, diskette with Graphics BASIC and assembly language subroutines and user's manual. 26-4104 . . . . . 499.00**

64K Memory Expansion. Allows Model II or 12 to generate much larger spreadsheets when using Enhanced VisiCalc program (page 14). Memory not usable by all software. 26-4105 . . . . . 399.00*

Disk Expansion Bays

Increase Model II Storage Capacity

A multi-drive TRS-80 Model II can handle larger applications, plus make file copying easier and faster. Each drive can store 486,000 characters of data. Expand your present 1 or 2-drive expansion bay with a disk kit (requires installation, not included). Disk Expansion Bays measure 11½ x 18½ x 21". U.L. listed.

1-Drive Bay. 26-4160 . . . . . 749.00

3-Drive Bay. 26-4162 . . . . . 1499.00

Disk Drive Kit. Lever, no light.
26-4163 . . . . . 600.00

Disk Drive Kit. Lighted bar.
26-4164 . . . . . 600.00

15-Megabyte Hard Disk Drive Forms a Powerful System

Primary Hard Disk **2495.00**

Secondary Hard Disk **1995.00**

Get reliable, extremely fast access to 15 million characters of data. Ideal for accounting, inventory and data base management applications. Compatible with our multi-user and single-user operating systems so most programs transfer directly to hard disk. Expand with three secondary drives for 60 megabytes of storage. (Not compatible with our 8-megabyte hard disk.) See page 24 for Model 4 and III cable kits.

Primary Drive. Requires cable kit, installation (not incl.). 26-4155 . . . . . 2495.00

Secondary Drive. Requires installation (not incl.). 26-4156 . . . . . 1995.00

Model II/12/16 Cable Kit. Requires installation (not incl.). 26-4157 . . . . . 495.00

Tandy 2000 HD Cable Kit. Allows use of Secondary Drives. 26-5126 . . . . . 45.00

SPECIFICATIONS. A 3-platter, 6-surface 5¼" disk drive. Self-contained, recirculating filtered air system. **Formatted Capacity:** Primary—14.6 megabytes, Secondary—15 megabytes. **Disk Format:** One movable head accesses 306 tracks per disk surface. **Data Transfer Rate:** 5 megabits/second. **Disk Rotation Speed:** 3600 RPM. **Latency:** 8.3 ms (average). **Track Access Time:** 3 ms (track-to-track). **Dimensions:** 5½ x 14 x 15". **Power:** 120VAC, 60 Hz. U.L. listed.

Floppy Disk Expansion for TRS-80 Model 12 and 16

- **Increase Model 12/16 Data Storage**
- **Each Drive Stores 1.25 Megabytes**
- **Double-Sided, Double-Density 8" Thin-Line Floppies**

External 1-Drive Unit **1299.00**

External 2-Drive Unit **2098.00**

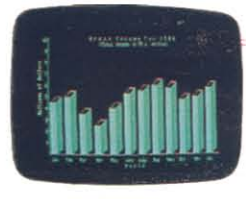
External Disk Drives. Increase the program and data storage capacity of your Model 12 or 16 with a floppy disk bay. The 1-drive unit can be expanded later to two drives with the Disk Kit (26-4167) below.

1-Drive Unit. 26-4165 . . . . . 1299.00

2-Drive Unit. 26-4166 . . . . . 2098.00

Internal Disk Drive Kit. Add a second built-in floppy disk drive to your single-drive Model 12 or 16 for a total of 2.5 million characters of data storage. Requires installation, not included. 26-4167 . . . . . 799.00

Versatile Business Graphics Analysis Program



- **Easily Create a Variety of Charts and Graphs**
- **Designed For TRS-80 Model II, 12 and 16**

249.00

Graphics Make Dull Data Come Alive. Give your reports the graphics advantage with our Business Graphics Analysis Pak! It lets you get your point across—reveal trends, make comparisons clearer and show patterns that may be hidden in columns of figures.

Easy Data Manipulation. Just enter your data from the keyboard or disk files—and the program generates your chart. Choose from pie, bar, line or scatter charts. Your graph is immediately displayed on the video screen for editing. The program will develop settings and labels for your charts—or you can tailor them yourself. Entry, editing and format settings are a breeze because they're "menu-driven". Even perform simple arithmetic or complex trend, growth, moving average, consolidation or logarithmic operations. New data can be added or values changed and the new chart viewed again before printing. Produce graphs on selected Radio Shack printers.

Business Graphics Analysis Pak.
26-4550 . . . . . 249.00

*Installation Required (not included) for Model II. Model 12 Requires Card Cage. **Installation Required (not included) for Model II or 16. Installation Recommended for Model 12 or 16B. Model 12 Requires Card Cage.

OFFICE SOFTWARE TO SAVE YOU TIME

SCRIPSIT® Word Processing

Prepare correction-free letters, memos and reports! Plain English prompts and menus put advanced editing capabilities at your fingertips and are accessed with just two keystrokes. An on-screen information line keeps track of cursor position, margins, line spacing and page number. You can define up to 20 keys to recall often-used phrases or special functions. Floating format and reverse indentation make it easy to set up tables. A Global Search feature will locate a specified word wherever it occurs in text for selective editing. You can even print one document while working on another and load ASCII text files. All documents are stored on disk for later use or revision. Includes manual and self-paced training course on audio cassettes. Easy to learn and use.

Model II Floppy Disk. 26-4531 . . . 399.00

Thin-Line Floppy, Model II/12 Hard Disk. 26-4835 . . . . . 399.00

Multi-User Model 16 SCRIPSIT. Multiply office productivity! Allows several people to prepare documents at the same time using a Model 16 multi-user system. Includes all features described above, plus enhancements for customizing your text. Global Find, Delete and Replace can search not only for a character or string of characters, but also for control characters, such as carriage returns or printer codes. An Abort function cancels any alterations to your document. SCRIPSIT 16 supports a full complement of printing features, including proportional spacing and mixed font styles within documents. A powerful print utility allows you to queue documents one after another and print them in any order. You can even obtain subtotals, totals and averages of numerical columns automatically. 26-6431 . . . . . 499.00

SCRIPSIT Spelling and Hyphenation Dictionary

This automatic "proofreader" program for SCRIPSIT checks and displays your text on the screen, highlighting misspelled words for correction. Contains over 100,000 words, abbreviations, proper names, contractions and foreign words with hyphenation points. You can add up to 2000 words that are used in your profession—medical, legal, engineering, scientific terms, etc. Requires SCRIPSIT word processing software and one additional disk drive.

Model II Floppy Disk. 26-4534 . . 199.00

Thin-Line Floppy, Model II/12 Hard Disk. 26-4834 . . . . . 199.00

SCRIPSIT Utilities

Allows you to move columns of text and numbers, as well as provide totals, subtotals and averages of numerical columns directly from SCRIPSIT. You can also copy often-used text stored in a special "boilerplate" utility without having to leave the document you're currently working on. A communications utility lets you transmit and receive documents to or from another Model II or 12 SCRIPSIT system by phone (requires modem) or directly using an RS-232C cable and a null modem adapter. 26-4532 . . . . . 129.00

Only $175 Per Month

On Our Commercial Lease
(Plus Applicable Use/Sales Tax)

This system is only $5033.00 and includes a 2-Drive TRS-80 Model 12 (26-4005), DWP-510 printer (26-1270) and Cable (26-4401). Ideal for word processing (software extra).

SCRIPSIT Plotter Driver

Now you can add a vivid dimension of clarity to your text and overhead projector transparencies. This program lets you use SCRIPSIT to output to our TRS-80 Multi-Pen Plotter. Print nine character sizes in six colors—red, black, blue, green, violet or orange. Draw boxes around your text, straight lines, underlines, superscripts and subscripts. Simple commands let you easily change character sets, determine character size, and switch color pens. Move one-half space in any direction or backward a full space. Supports all plotter text-oriented features, plus character and word-incremental justification. Requires SCRIPSIT and TRS-80 Multi-Pen Plotter. 26-4536 . . . . . 49.00

VisiCalc Enhanced

A spreadsheet analysis program ideal for a wide variety of planning and forecasting applications in business and engineering. VisiCalc organizes your video screen into columns and rows. You simply define the formulas, enter the figures and VisiCalc performs all calculations automatically. Change any value or formula, and every affected number is updated. View countless "What if . . . ?" situations in seconds. Enhancements include an entry editor for modifying formulas and labels without re-entering them, plus logical and comparison operators to perform testing and branching. 26-4521 . . . . . 299.00

New! VisiCalc Business Forecasting Model

Allows you to generate financial reports based on your VisiCalc spreadsheets. Features pre-formatted templates for income statement, balance sheet, cash flow and financial ratios. Three supporting templates—sales and cost of goods sold, salaries, and assets and depreciation—are provided for inputting data to the four financial reports. Data is transferred from one template to another using the VisiCalc DIF format. Techniques and suggestions for modifying the templates for your own business forecasting needs are included. 26-4526 . . . . . 99.00

Multiplan

A "Second Generation" Electronic Worksheet

A truly sophisticated, yet incredibly easy-to-use decision support tool. Multiplan lets you consolidate related worksheets so that information is transferred between them automatically. For example, your company's sales forecast can be updated automatically whenever you change the data in any worksheet containing your regional sales figures.

"Plain English" Convenience. All prompts are full length words or phrases. Plain English names can be assigned to any column, cell or area, so that formulas can be expressed as "Gross Profit = Sales – Cost." If you have any questions, an On-Line Reference Guide gives you instant help. It knows where you are in Multiplan and offers information related to your problem right on the screen.

Advanced Features. With Multiplan, up to eight display windows can be created on the screen simultaneously. Sorting can be performed in alphabetical or numerical order. Cells can be set up individually, by row, column, block—or globally. Cell entries can be left or right justified, and can display values in graph form or as integers. You can vary individual column widths, center numbers and text within a column and align decimals. Format reports with user-selected top, bottom and side margins, row and column numbers, and more. Multiplan can directly utilize your current VisiCalc files, too. Includes tutorial manual.

Model II/12. 26-4580 . . . . . 249.00

Model 16 Multi-User. 26-6480 . . . 349.00

Model 16 Software Requires Hard Disk for Multi-User Operation. Single User Operation May Use Floppy Disk or Hard Disk.

SINGLE-USER ACCOUNTING SOFTWARE

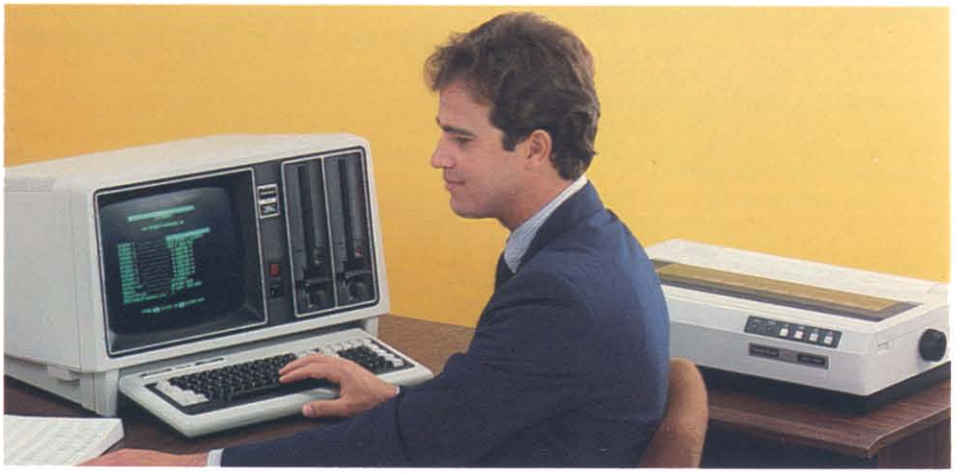
Simplify Your Accounting With a TRS-80 System

Only $155 Per Month

On Our Commercial Lease
(Plus Applicable Use/Sales Tax)

- **TRS-80 Model 12 With Two Disk Drives**
- **Compact DMP-430 Printer and Cable**

This TRS-80 Model 12 "Basic Business" system is only $4437.00, and is ideal for many office needs and can be used with most software on this page. It includes the 2-Disk Model 12 (26-4005), DMP-430 Printer (26-1277), and Cable (26-4401).



Streamline Business Operations. A TRS-80 Model II/12 computer system can prepare profit and loss statements, tighten up receivables, speed up collections, control disbursements, improve cash flow, keep a close watch on payroll and budgets, help you with your inventory control, analyze sales information, and much more. Your company's operations will be faster, more efficient, and more accurate—and that can help you save money. We know you have more important things to do than to learn how to program, too. And you won't have to hire a programmer either. In fact, anyone in your office can easily and quickly learn to use these powerful TRS-80 Model II/12 business and accounting software packages. Each package comes with a very thorough instruction manual that will guide you step-by-step through every important function and will describe day-to-day operation. What's more, with additional disk drives, these packages form an economical interactive system. And Model II/12 software will run on a Model 16 in the (single-user) mode.

General Ledger

Handles up to 504 accounts, up to 11,420 entries per month. Seven optional expense categories and user-defined account numbers. Automatic out-of-balance detection, entry totaling, document balancing, and audit trails. Controlled inputs for error prevention and rapid entries. Reports include: Income Statement, Balance Sheet, Charts of Accounts, Trial Balance, Document List, Posting Summaries, and Ledger Detail Report. Full reporting capabilities allow access to your financial status at any time. A second disk drive allows update from Payroll (26-4503), Accounts Receivable (26-4504), and Accounts Payable (26-4505).
26-4501 . . . . . 199.00

Payroll

Handles up to 200 employees. Includes nine earning, nine deduction, and seven worker's compensation categories. Calculates federal, state and city withholding tax, plus earned income credit. Prints Payroll Checks, Payroll Check Register and W-2 forms, as well as automatic monthly, quarterly and annual journals. Automatic out-of-balance detection. Easy error correction and recovery. Optional time card calculations with automatic overtime. Multi-drive update to General Ledger (26-4501).
26-4503 . . . . . 399.00

Inventory Management System

Handles up to 3000 inventory line items, 200 vendors, on-hand quantities up to 999,999, with a maximum selling price of any item of $9999.99. Projects your reorder needs based on analysis of past performance and sales trends. Reports include: Master Inventory List, Vendor Listing, Transaction Posting Report, Suggested Order List, ABC Code Analysis, Physical Inventory Worksheets and more. For single-sided floppy operation only.
26-4502 . . . . . 199.00

Accounts Receivable

A complete invoicing and monthly statement system that helps reduce and control your receivables. Know where you stand and spot overdue debts early for collection. Allows "open item" and "balance forward" accounts, and generates both Summary Aging and Detail Aging reports. Generates monthly statements and prints invoices. Flexible open credit reconciliation. Add additional disk drives for increased capacity and automatic update of General Ledger (26-4501). 26-4504 . . . . . 299.00

Accounts Payable

Maximize your use of cash. Prints cash requirements, aging reports and totals, and checks. Compatible with either "cash" or "accrual" accounting methods. Easy maintenance of accounts for up to 500 vendors and 3000 invoices. Reports include: General Ledger Codes, Vendor Listing, Invoice Listing, Posting Report (with GL totals), General Ledger Recap, Cash Requirements, Aging Status, Check Preview, Check Register, Discount Lost Report, GL Totals after Check Printing, End of Period Processing (with GL totals) and Year End Report. Multi-drive update to General Ledger (26-4501).
26-4505 . . . . . 299.00

Order Entry With Inventory Control

Simplify inventory control and get complete reports on stock levels. Program designed primarily for non-manufacturing distributors that maintain up to 650 accounts receivable and up to 2000 inventory items. Reduces duplication of efforts, saves time in filling orders, producing invoices and posting sales and adjustments to each customer account. Prints a Picking List to aid in pulling items from stockroom or warehouse. Interfaces with Model II/12 Accounts Receivable program (26-4504). Requires four disk drives.
26-4514 . . . . . 199.00

Mailing List II

A good mailing list makes you money! Here's a system that stores names and addresses which can be revised at any time—up to 3000 names or 2000 names with a "comment" line. Each name may be assigned to up to eight special categories. Choose alphabetical or Zip Code order. Any number of address labels may be selected and printed. Five different label sizes. With a second disk drive, names and addresses can be "merged" with SCRIPSIT (26-4531) for perfect form letters
26-4507 . . . . . 119.00

Statistical Analysis

A menu-oriented data analysis system ideally suited for applications in business, education, medicine and other fields. Can be run with little formal knowledge of data analysis techniques and no knowledge of computer programming. Each program interacts with you to guide you in conducting statistical research. Includes programs for descriptive statistics, graphic histogram, frequency distribution, one and two-way analysis of variance, one-way analysis of co-variance, correlation matrix, chi-square analysis, time series analysis, item analysis, multiple linear regression, random data samples, and item analysis and test/survey scoring.
26-4540 . . . . . 99.00

Versafile

Create a simple computerized filing system. Store business or personal data, including names, addresses, phone numbers, customer information and more. Versafile lets you set up your own filing method and what type of data will be entered—your TRS-80 does the rest. The computer stores "key words" in corresponding files ready for easy retrieval. All you have to do is type a question containing the same key words. Includes Global Search function.
26-4510 . . . . . 69.00

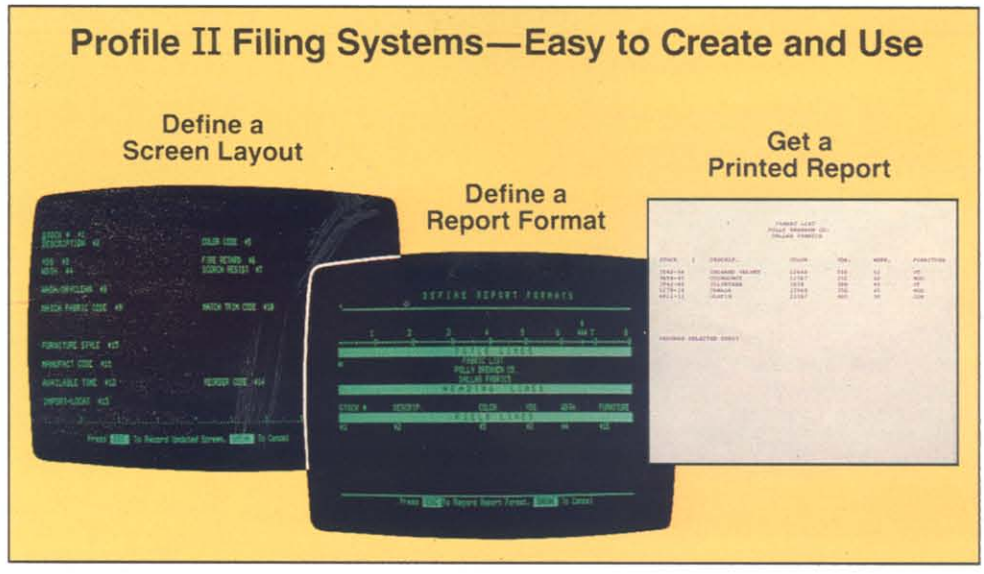
LET PROFILE® SIMPLIFY YOUR FILING

Profile II Electronic Filing

A powerful program that lets you design your own data base and search through your records to find just the information you want in seconds. Keep track of names and addresses, bills owed and paid, personnel and customer records and much more. You specify the way your files are set up and how information appears on the screen and in printed reports. Store up to 99 data fields in a single record, and print up to five different reports for each file. Search your files by up to 36 user-defined criteria. Stores up to 3000 records with a one-disk Model II/12, up to 20,000 with additional disk drives.
26-4512 . . . . . 179.00

Profile Training. Learn how to put Profile II to work for you. Includes four audio cassettes, 96-page manual and diskette.
26-4516 . . . . . 69.00

Profile Plus. An expanded version of Profile II. Built-in math functions do extensions, calculate taxes and totals between numeric fields automatically. "Associated" fields can be searched for "similar-type" data. An indexing system automatically organizes files in logical order for high-speed access. Selectable record lengths prevent wasted disk space and increase the maximum number of multi-segment records. User menus can be executed with a single keystroke.
26-4515 . . . . . 299.00



Profile Upgrade. Gives Profile II users the added features of Profile Plus.
26-4517 . . . . . 120.00

Profile Forms. Print a detailed record on each item in your file. Requires Profile Plus.
26-4556 . . . . . 125.00

Profile Archive. Purge inactive records and merge them into a history file. Requires Profile Plus. 26-4557 . . . . . 49.00

Profile Prosort. Create a high-speed index to pinpoint precise information. Requires Profile Plus. 26-4558 . . . . . 149.00

Profile Lookup. Cross reference information from five different data bases. Requires Profile Plus. 26-4559 . . . . . 199.00

Menu Generator. Create menus in machine code for BASIC or COBOL programs.
26-4555 . . . . . 39.00

Powerful Multi-User Data Base Systems for the TRS-80 Model 16

Profile 16 Multi-User

Multiply office productivity! Allows several operators to access, update and use the same file at the same time. (Of course, individual records are protected from being changed by more than one person at a time.) Now you can do jobs you could never handle before: regional sales reports, cataloging, advertising and direct response sales tracking, buyers' guides and directories, tax records, insurance forms and many others.

Easy to Use. You can design your Model 16 Profile system to match your present manual methods—no need to learn new procedures. And all screen prompts and menus are in plain English—no blind guesses or confusing programming terms. You can even customize your system to help your employees do jobs quickly—even automatically—with a few simple keystrokes. And you can change or expand your system at any time without having to re-enter data—Profile 16 will rearrange your data to fit new formats. That means you can create a simple system to start, then build up to a powerful data base over time.

Tremendous Storage Capacity. You can have up to 16 million records per file, with up to 999 entry blanks (fields) and 4608 characters per record. Files can be spread across multiple hard disk drives.

Monitors Accuracy. Profile 16 can give you the date and time of a record's last update, the operator who made the change, and other audit trail information automatically. It can watch for up to 200 data entry errors or special cases. Password protection can also be used to prevent accidental record access, update or deletion.

"Conditional" Operations. Profile 16 does "conditional math". For instance, "if the order is between $1000 and $4999, subtract a 5% discount; if between $5000 and $9999, subtract 10%." Other math functions include percentages, minimums and maximums, logs and anti-logs, fractions and fractional powers, and averages. Profile 16 can do "conditional processing", too. If certain criteria are met, it does the operation; if not, it does a different operation.

Print Reports, Labels and Forms. Data to be printed can be arranged in any way you choose. Reports can be as long as 99 lines and as wide as 255 characters. Labels can be printed in one-column lists or across the page in rows.

Other Important Features. Profile 16 can do "end-of-period" processing and produce "spin-off" files for moving data into word processing or spreadsheet programs.

Profile 16. 26-6412 . . . . . 499.00

Unify Relational Data Base

Includes interactive data entry, ad hoc queries, report writer, screen form development, and menu handler and security system. ENTER provides full screen, interactive data entry. Type, length, range, value checks and cross file edits are supported. A query-by-forms facility allows queries to be answered simply and easily by casual users of the system. Unify SQL is a powerful relational inquiry and data manipulation language based on English keyword syntax. Its structure is easy enough for beginners to use, yet powerful enough for DP professionals. RPT (Report Writer) supports multi-line titles and column headings; built-in functions such as MIN, MAX, AVG and TOTAL; page headers and footers; level breaks; and absolute positioning of data. Simple reports can be produced with a single command under default mode. SFORM can create a default screen to save time in development. Default screens or designs can be modified. User-defined screen prompts and editing masks are supported. Screen forms can contain multiple pages or multiple-line scrolled areas. Many different screens may be defined for each data base to provide each user his own "view" of the data. MENUH is Unify's menu handler and security system. You can protect your data through passwords and access privilege limitations at the field, record, file and menu level. Unify offers a combination of access methods. Hashing is available for primary keys; compressed B-Trees are available for secondary indexes; links are available for explicit relationships; and high-speed, buffered, sequential access is also provided. Two programming languages—C and RM-COBOL—are supported by Unify's language interface modules. Each provides the programmer access to Unify's data handling routines through his programs. Includes extensive on-line help facility. Comes with reference manual, tutorial manual and introductory booklet.

Unify. 26-6415 . . . . . 750.00

MULTI AND SINGLE-USER ACCOUNTING

Maintain Greater Control of Your Business

Only $240 Per Month

On Our Commercial Lease
(Plus Applicable Use/Sales Tax)

- **Single-Disk TRS-80 Model 12**
- **15-Megabyte Hard Disk** ▪ **Card Cage**
- **High-Speed DMP-500 Printer and Cable**

This single-user system is only $6926. Includes the 1-Drive Model 12 (26-4004), 15-Megabyte Hard Disk Drive (26-4155), Installation Kit (26-4157), DMP-430 Printer (26-1277), Cable (26-4401) and Card Cage (26-6017). Requires installation (not included).

Multi-User Software. Increase office productivity with our Model 16 programs. They allow several people to perform different tasks simultaneously. Your sales department can check inventory levels while someone in accounting updates your general ledger—at the same time someone else is working on payroll.

Single-User Software. These deluxe programs can also form the heart of a superb dedicated accounting system—ideal for the small business which has one person that handles all the bookkeeping. The interactive capability of these packages allows easy, automatic update of each aspect of your firm's operation.

New! COBOL Query

Now Model II and Model 12 owners can retrieve desired information from COBOL data files. After you enter a query by specifying the file and the fields from which you want to retrieve data and the selection criteria (if any), Query scans the data file and selects the records. The information can then be displayed on the screen or printed. You can also design reports by entering the title, column headings and widths. In addition, you can have Query calculate values in columns by entering the desired formulas. Use Query with General Ledger (26-4601), Payroll (26-4603), Accounts Receivable (26-4604), Accounts Payable (26-4605), Order Entry/ICS (26-4607), and Sales Analysis (26-4608). Query can also interface with Multiplan (26-4580) and SCRIPSIT (26-4531 and 26-4835). Requires hard disk. 26-4612 . . . . . 149.00

General Ledger

Interacts with Accounts Payable, Payroll and Accounts Receivable. An easy-to-maintain control file allows you to use multiple profit centers. Reports include: Income Statement, Balance Sheet, Supporting Schedules, Chart of Accounts, Financial Statements, General Journal Transaction Register, General Ledger Trial Balance for any specified period, General Ledger Worksheet, General Ledger Source Cross Reference, Statements of Cash Flow, Changes in Financial Position, and Changes in Components of Working Capital.

Model II/12. 26-4601 . . . . . 399.00

Model 16. 26-6201 . . . . . 599.00

Accounts Payable

An accrual system that will interface with General Ledger. Reports include: Vendor File, Alphabetical Vendor List, Transaction Register, Aging, Cash Requirements, Pre-Check Writing Accounts, Payable Check Register, General Ledger Distribution and Vendor Analysis.

Model II/12. 26-4605 . . . . . 399.00

Model 16. 26-6205 . . . . . 599.00

Accounts Receivable

An open item and/or balance forward system that will interface with General Ledger, Order Entry/ICS and Sales Analysis. Prints Aging Report (with or without detail) for all or selected customers. It provides a GL Distribution Report and allows easy access to frequently used General Ledger accounts for rapid entries. Prints a Cash Application Worksheet showing balance owing, the valid discount and the net amount due. Optional user-defined features include: accumulating revenue and expense by profit center (product line), calculation of sales tax and commissions.

Model II/12. 26-4604 . . . . . 399.00

Model 16. 26-6204 . . . . . 599.00

Payroll

Calculates and prints checks and provides distribution to multiple General Ledger accounts. The program gives you efficient handling of hourly and salaried employees and permits seven pay frequencies. Provides a wide variety of special earnings and deductions categories, and allows entry of manually prepared checks and adjustments. Lets you track vacation and sick pay and recall up to one year of detailed pay history. Tables for federal, state and local withholding taxes are easy to maintain. Prints federal, state and local withholding reports, W-2 forms, payroll worksheets, check register and more.

Model II/12. 26-4603 . . . . . 499.00

Model 16. 26-6203 . . . . . 699.00

Sales Analysis

Examine and evaluate sales. Data is obtained from customer file of A/R or item file of OE/ICS. Shows sales activity by customer, sales volume, salesman, item, and more.

Model II/12. Requires 4 disk drives (3 drives for Model 12) or hard disk.
26-4608 . . . . . 249.00

Model 16. Requires 3 disk drives or hard disk. 26-6208 . . . . . 399.00

Order Entry/ICS

Allows both single-pass invoicing and two-pass open order entry with separate billing. Requires and interacts with Accounts Receivable program. Prints: Item Receivings Register, Billing Edit List, Picking Tickets, Order Edit List, Price List, Item Stock Status Report and Purchasing Advice Report.

Model II/12. Requires 4 disk drives (3 drives for Model 12) or hard disk.
26-4607 . . . . . 399.00

Model 16. Requires 3 disk drives or hard disk. 26-6207 . . . . . 599.00

Inventory Control System

Assists in cycle counting, ordering from vendors, handling partial receipts and allowing custom design of reports. Posts receipts, prepares labels, prints purchase orders by P.O. number and six major reports. Provides suggested order listing by prime vendor.

Model II/12. Requires a minimum of two disk drives. Model II handles approximately 3000 inventory items per data diskette. Model 12 handles about 8000 per diskette. 26-4602 . . . . . 299.00

Model II/12 Hard Disk or Thin-Line Floppy. Up to 30,000 items.
26-4802 . . . . . 399.00

Model 16 Hard Disk. Supports up to 3 users. Handles up to 30,000 items.
26-6302 . . . . . 399.00

Manufacturing Inventory System

Track your investment in work-in-progress, raw materials and finished goods, and maintain your company's inventory files in an easy-to-access format. Estimate order completion dates, labor and material requirements, and more. Holds up to 2100 items in inventory, 600 bills with 99 components each, 200 manufacturing orders. Model II requires three disk drives. Models 12 and 16 require two drives.

Model II/12. 26-4509 . . . . . 750.00

Model 16. 26-6309 . . . . . 850.00

Model 16 Software Requires Hard Disk for Multi-User Operation. Single-User Operation May Use Floppy Disk or Hard Disk.

TRS-80 PROFESSIONAL PROGRAMS

Model 12 Office System

Only $190 Per Month

On Our Commercial Lease
(Plus Applicable Use/Sales Tax)

This TRS-80 Office System is only $5533, and will run most of the software shown on this page. It includes a 2-Drive Model 12 (26-4005), letter-perfect DMP-2100P printer (26-1274) and cable (26-4401).

NEW! The Precedent™ Legal Accounting System. An office management program designed specifically for attorneys following standards established by the ABA Legal Economics Section. It allows total integration of Time and Billing, General Ledger, and Cash Disbursements giving you immediate access to vital client-related accounting information concerning services rendered, fees, expenses, billable and non-billable time, cash receipts, trust activity and much more. It can be used by a sole practitioner or firms with up to 50 timekeepers. You can choose from eight different billing formats containing varying degrees of detail. You can also obtain comprehensive management reports.
26-4620 . . . . . 795.00

NEW! Docket Control. Avoid missed deadlines and appointments. The program accepts entry of reminder dates which occur while a case is pending. These dates can be entered individually by you or automatically calculated from user-defined models. For example, the date of death (relative day 0) begins the probate process; a death certificate must be filed within one week (relative day 7) and the will must be submitted to the probate court within one month (relative day 30). You enter the date of death and all subsequent dates are calculated and retained automatically. Docket Control may be used alone or with The Precedent Legal Accounting System (above).
26-4622 . . . . . 249.00

Time Accounting. A "must" for any business that requires a detailed time analysis. Handles up to 14 professionals, 1000 clients, 500 jobs, 99 charge code categories, and 2950 transactions. Add, delete, change, list and review all information on file concerning the person who performed the work, customers, contracts and charges. Prepare billing worksheets and print statements. Model II requires four disk drives. 26-4520 . . . . . 499.00

Litigation Support. A versatile information storage and retrieval system designed for the attorney. This docket control program helps you research articles, organize notes, and keep track of reports and correspondence. Stores up to 350 client records, with 12 pleas and 10 memos. Litigation Support also doubles as a paralegal. Just enter documents associated with a case—such as a memo, letter or conversation. Then by typing in a topic, case number or keyword, the computer displays all matching records. Store up to 575 records. Prints reports and mailing labels. Merge names and addresses using SCRIPSIT (26-4531) and an extra disk drive for form letters.
26-4545 . . . . . 299.00

WESTLAW. A vast electronic legal data base accessed by phone. Enables you to research information and locate relevant cases quickly. Simple search commands reduce "on-line" time. Includes U.S. Code, Code of Federal Regulations, Federal and state case law libraries, Shepard's Citations service and more. Requires registration with WESTLAW and a 1200-baud modem (see page 32).
26-4560 . . . . . 249.00

Electronic Broker. Maintains securities transaction records for stockbrokers, investment advisors, accountants and small bank trust departments. The Electronic Broker organizes your account bookkeeping with flexibility and ease. Reviews and updates security prices, market averages, stock splits, and adjustments for dividends. Builds and maintains four libraries of information—a library of up to 500 Client Accounts, a library of up to 1500 Securites, an ongoing Transactions File and a matched-off Liquidations File. The program provides accurate, well-organized screen displays and printed reports. Additionally, the program prints a posting journal and a liquidations report as an audit trail.
26-4525 . . . . . 995.00

Medical Office System. Designed to provide a fast and efficient system for collecting and managing accounts receivable. It accomodates a large individual practice or a medical clinic with up to ten physicians. Handles records and billing for up to 3000 accounts and 9000 transactions per month. Features 450 procedures and diagnoses, 4 recall medications, 2 recall dates, and 2 insurance companies per patient. On hard disk, you can keep track of 64,000 patients, 64,000 transactions, 999 procedures and diagnoses. A powerful forms generator can produce any type of invoice or insurance form to match any state's requirements. The system lets you get daily recap, transaction review, aged accounts receivable, procedure and diagnosis reports. You may enter refunds, place invoices into collection, add charges to existing invoices, switch responsible parties, and add notes into a patient's file. The system provides complete audit trails and detailed reports, cutting the time you presently spend on accounting and preparing statistical reports. Zero-balance double-entry accounting maintained automatically. You can also get an amazingly complete breakdown on your office's financial status with numeric month-to-date and year-to-date totals for all categories. Use of a unique "scan" feature allows you to quickly locate patients who meet a very narrow selection criteria. Requires a minimum of two disk drives. Create customized letters and mailing labels using Profile II (26-4512) and SCRIPSIT (26-4531) and an extra disk drive.
26-4508 . . . . . 750.00

Personnel Search. A program to help match employers with potential employees, so important when you have to have the right person to fit the job. Stores up to 246 records, with up to five referral and placement positions and five client contacted companies. Up to 66 character spaces are available for a description of employer benefits, and up to 227 character spaces for employee duties. Prints reports, plus two mailing labels. 26-4621 . . . . . 299.00

Job Costing. Designed to aid small construction companies in the preparation of job estimates, and to enable them to accurately track the progress and cost of each job. It keeps up with your two most valuable resources—time and money. Expenses are entered as they are incurred and are posted to each task by cost category. Detailed and summary information available on each job. Job Costing can be used for internal auditing to check invoices and purchase orders, too. As jobs are completed, year-to-date profit and loss is maintained on disk. It's an invaluable tool for estimating work volume and average gross profit.
Model II/12. 26-4513 . . . . . 149.00
Model 16. 26-6209 . . . . . 199.00

Important Software Notice
All Radio Shack computer programs are licensed on an "as is" basis, without warranty. Radio Shack shall have no liability or responsibility for any loss or damage caused or alleged to be caused directly or indirectly by computer equipment or programs sold by Radio Shack, including but not limited to any interruption of service, loss of business or anticipatory profits or consequential damages resulting from the use or operation of such computer or computer systems.

 Model II Software Will Run on a Model 12 or 16 in the Model II (Single-User) Mode. Normally, Multi-Drive Software Running on a Model 12 Requires One Less Drive than a Model II.

TRS-80 MODEL II/12/16 LANGUAGES

FORTRAN. Complete error documentation in compiler, and hex and octal addresses for compiler listing. Includes Editor, Compiler, Linking Loader, Subroutine Library, and a Source and Listing File Print Utility. ANSI-66 standard.
Model II/12. 26-4701 ..... 299.00

Program Editor. Use with any of our Model II/12 TRSDOS languages to modify source code. Easily change, delete and insert characters or lines. File record formats are selectable. Features global search.
Model II/12. 26-4710 ..... 79.00

Editor/Assembler. Quickly write, edit, test, assemble and execute programs in Assembly Language. Use with either 8080 or Z-80 mnemonics. Constants can be specified in octal, hexadecimal or binary. Line and character-oriented text editior.
Model II/12. 26-4702 ..... 199.00

Series I Editor/Assembler. Program in machine language for faster execution and more efficient memory use. Editor features line numbering and renumbering, single-letter commands and global search. Source text may be saved in disk files. Source files may be loaded together in memory.
Model II/12. 26-4713 ..... 49.95

Assembly Language Development. Five-module package includes Editor, Assembler, Linker, Debugger and File Transfer.
Model II/12. 26-4712 ..... 249.00

COBOL Development System. A high-level implementation of ANSI-74 COBOL. Features multi-keyed ISAM for quick access of data, interactive DEBUG, address stop, single and variable step display, extended ACCEPT/DISPLAY commands, full level-2 I/O commands, Editor and single-pass Compiler.
Model II/12. 26-4703 ..... 299.00
TRSDOS-16. 26-6100 ..... 299.00

COBOL Run-Time Diskette.*
Model II/12. 26-4704 ..... 40.00
TRSDOS-16. 26-6101 ..... 40.00

COBOL Generator. Define a complete software package and generate a COBOL source program automatically. Requires one additional disk drive and COBOL Development System (26-4703).
Model II/12. 26-4707 ..... 995.00

PASCAL MT+. A full-implementation of standard PASCAL to help you build better programs faster. A speed programming package helps you remove "dumb" errors prior to compilation, with options including editor, reformatter, syntax check, variable check and fast compiler. Automatically readjust indentations and margins for structured overlay capabilities, chaining, call assembly routines and supervisor calls.
Model II/12. 26-4711 ..... 425.00

Compiler BASIC. Features single-key ISAM to help organize and retrieve data, cross reference and interactive DEBUG to speed program development, easy calls to assembly language or other object programs, 14-digit floating point decimal format, full error control, complete CRT control, and single-pass compiler. (Note: For program development and not for conversion of existing software.)
Model II/12. 26-4705 ..... 199.00

Compiler BASIC Run-Time Diskette.*
Model II/12. 26-4706 ..... 30.00

BASCOM BASIC Compiler. Designed to complement the Model II/12 Microsoft BASIC Interpreter. MS-BASIC Compiler can support programs written for a wide variety of microcomputers with little or no modification. Allows you to create programs that execute faster and require less memory than the same interpreted programs, in addition to providing source code security. Allows several chained programs to be supported by a main menu. Features BASRUN runtime module. BASRUN allows you to develop a system of related programs that can all be run using the same runtime environment.
Model II/12. 26-4725 ..... 199.00

CBASIC. A commercial dialect of the BASIC language implemented as a compiler/interpreter. It requires the CP/M Plus operating system (26-4740), and is designed specifically to develop business applications. Compiles source code files into pseudo-code instructions so application programs use RAM more efficiently. Maintains real numbers in BCD format to assure fractional parts of dollar amounts will be exact and ledgers will balance, and supports integer arithmetic to increase execution speed. Returns unused memory to system automatically.
Model II/12. 26-4742 ..... 99.00

CP/M Plus. A high-performance single-user, single-tasking operating system that opens the door to thousands of non-Radio Shack programs. Compatible with CP/M 2.2 and MP/M II files. Features a flexible applications program interface and powerful system utilities to facilitate software development.
Model II/12. 26-4740 ..... 249.00

TRS-XENIX Development System. Includes the powerful C language and many standard UNIX utilities for developing multi-user software to run under Model 16B XENIX. Also includes an assembler, text editor, a spelling dictionary, electronic mail, sort utility, compiler generators, and much more. Requires 256K memory (512K is recommended) and a hard disk.
Model 16B. 26-6401 ..... 750.00

TRS-XENIX COBOL Development System. A high-level implementation of the ANSI-74 COBOL standard for minicomputers. Includes an editor, interactive debugger, a single-pass compiler, and more. Comes with User's Guide, COBOL Language Manual and sample programs.
Model 16B. 26-6455 ..... 699.00

TRS-XENIX BASIC Interpreter. An advanced interpreter BASIC which allows you to chain other MBASIC programs and pass common variables. MBASIC also supports 40 significant characters for variable names, logical record lengths of up to 32K, and record locking for multi-user support.
Model 16B. 26-6457 ..... 299.00

NEW! FORTRAN 77. Allows you to write and execute mainframe-level Fortran applications on the Model 16B. Incorporates popular extensions like Hollerith and hexadecimal constants, symbols of up to 31 characters and an "include" statement. "High optimizing" features produce object code that increases execution speed. A complete implementation of the most recent ANSI Fortran standard. Requires TRS-XENIX Development System (26-6401).
Model 16B. 26-6451 ..... 699.00

NEW! PASCAL-2™. An integrated system for software development on the Model 16B. A transportable multi-pass compiler adheres to the Pascal ISO standard while performing optimizations to generate compact, fast code. Requires TRS-XENIX Development System (26-6401).
Model 16B. 26-6452 ..... 699.00

NEW! Macro Assembler. Lets you develop Motorola MC68000 programs on the Model 16B. Features an easy-to-use set of assembly language mnemonics. Permits the use of macros which allow you to control your output and compiler. Allows you to assemble programs which access outside data and subroutines. Requires TRS-XENIX Development System (26-6401).
Model 16B. 26-6450 ..... 399.00

***NOTE:** Run-Time Diskettes are available separately for those who intend to sell software developed on our compilers. You don't need to purchase a separate Run-Time Diskette for your own use.

MODEL II/12/16/2000 SOFTWARE

Communicate with Mainframes Using Our Protocol Packages

ReformaTTer. Prepare programs and data for use with IBM equipment using the TRS-80 Model II or 12. ReformaTTer handles the transfer of files between TRSDOS and IBM-compatible diskettes. It organizes data to conform to the 3741 single-density IBM format, performs optional EBCDIC/ASCII character conversion and automatically initializes diskettes to the IBM format—including all necessary fields—eliminating the need for specially preformatted diskettes. ReformaTTer gives you full control over all aspects of an IBM diskette, including creation/expiration date, record length, beginning of extent, end of extent, write protect, accessibility, and key bypass and verify fields. You can even examine and alter existing data on an IBM diskette directly without transferring the data to a TRSDOS diskette. Convenient menu presentation and descriptive prompting messages make the program easy to use. Requires two disk drives.
26-4714 . . . . . 249.00

BIS-3270. Allows your Model 12 to communicate over point-to-point or multi-point telephone lines (via a synchronous modem or modem eliminator) using standard IBM bisynchronous protocol and emulate an IBM 3271/3274/3275/3276 display station and 3284/3286 printer. BIS-3270 appears to the system as a control unit with one keyboard display and one separately addressable printer. All functions of the IBM 3270 display station are supported, including bi-directional file transfer and a menu-driven configuration program. Features a modem analog loopback test, diagnostic support and full help facilities. Requires modification of the "A" serial port (extra charge).
26-4730 . . . . . 1495.00

BIS-3780. Allows Model 12 to communicate over point-to-point or multi-point telephone lines (via a synchronous modem or modem eliminator) using standard IBM bisynchronous protocol with any IBM S/360, S/370, 30XX and 43XX host or non-IBM host that provides support for IBM 2780/3780/2770/3741 devices. Your Model 12 can function as a remote terminal or a Remote Job Entry (RJE) terminal. Supports IBM JES, RES, HASP or POWER console commands; full bi-directional transfer; print-destined and punch-destined data. Editor/Assembler (26-4702) may be required for mode configuration. Requires modification of "A" serial port (extra charge). 26-4716 . . . . . 995.00

NEW! Micro-SNA/3270. Allows your Model 12 to communicate over point-to-point or multi-point telephone lines (via a synchronous modem or modem eliminator) using standard SNA/SDLC protocol with any IBM S/360, S/370, 30XX and 43XX IBM host or non-IBM hosts that provide support for IBM 3270 devices. Your Model 12 can emulate an IBM 3274/3276 display station. Micro/SNA-3270 appears to be a control unit with one LU-2 keyboard/display. Supports full bi-directional file transfer and menu-driven configuration. Includes a modem analog loopback test, diagnostic support and full help facilities. Requires modification of the "A" serial port (extra charge). 26-4717 . . . . . 699.00

New! Model 2000 Communications Software

Softerm 2000. A powerful communications manager. Emulates over 20 character and block-mode terminals. Includes remote file transfer and local printing of files. Supports auto-dial/auto-answer. Requires 256K.
26-5261 (Avail. 10/15/84) 195.00

CLEO-3270 Cluster Controller*. Allows your Tandy 2000 to function as a remote IBM 3276-2 cluster controller with IBM 3287 printer attached (via a synchronous modem or modem eliminator). Your Tandy 2000 cluster can consist of up to 7 other Tandy 2000 computers emulating IBM 3278 display stations. Requires 256K system and Serial Expansion Board (26-5164). A second Serial Expansion Board is required when using more than four terminals.
26-5262 (Avail. 12/15/84) 980.00

SNA/SDLC and BIS. Communicate over point-to-point or multi-point telephone lines (via a synchronous modem or modem eliminator) with any IBM S/360, S/370, 30XX and 43XX host or non-IBM hosts using standard IBM SNA/SDLC or IBM bisynchronous protocol (see individual packages at right). You get bi-directional file transfer, menu-driven configuration, modem analog loopback test, diagnostic support and full help facilities.

SNA/SDLC Protocol Packages. Requires 256K Tandy 2000 and Serial Expansion Board (26-5164). All available 12/15/84.

Micro-SNA/3270. Emulate remote IBM 3274/3276 control unit and/or 3284/3286/3287/3288 printer. 26-5263 . . . . . 695.00

Micro-SNA/3770. Emulate remote IBM 3771/3774/3775-P1/3776/3777-1 devices.
26-5264 . . . . . 695.00

Micro-SNA/Cluster. Allows Tandy 2000 to function as a remote IBM 3274/3276 cluster controller with attached IBM 3287 printer. Up to 8 other Tandy 2000 computers can emulate IBM 3278/3279 display stations. Requires a second Serial Expansion Board when using more than 4 terminals.
26-5265 . . . . . 1390.00

Tandy 2000 Serial Expansion Board. Four serial channels with connectors.
26-5164 (Avail. 12/15/84) 325.00

Bisynchronous Protocol Packages.

BIS-3780. Emulate IBM 2780/3780/2770/3741 devices. MS-Assembler (26-5252) may be required if mode reconfiguration is needed. 26-5258 . . . . . 695.00

BIS-3270. Emulate IBM 3271/3274/3275/3276 display station and 3284/3286 printer.
26-5259 . . . . . 695.00

Access Mainframe Data Using Your TRS-80

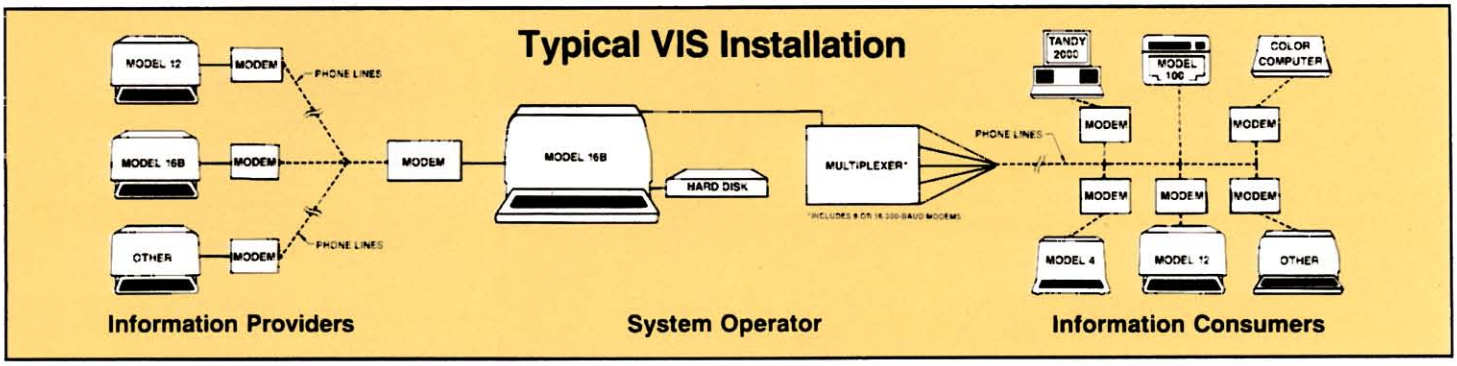
NEW FOR '85 **995.00**

- **Lets a TRS-80 Computer or Terminal Access IBM Host Computers**
- **Works in BSC, SNA/SDLC or Channel Attachment Operations**

T-1000 Protocol Converter. A microprocessor-based unit that allows TRS-80 computers to emulate an IBM 3278-2 or access an asynchronous host. For dual host access, your TRS-80 connects to the T-1000's terminal port, an IBM 3274/3276 cluster controller connects to the T-1000 coax port, and an asynchronous host connects to the T-1000 auxiliary port. A single keystroke lets you switch between the coax mode (for 3278-2 emulation) or the pass-thru mode (for asynchronous communications). The auxiliary port also supports a modem for access to remote asynchronous computers. Supports two internal screen buffers. One receives signals from the 3274/3276 cluster controller. The second holds the current contents of the terminal screen. Software updates the screen by comparing buffers. Requires terminal emulation software, such as Softerm 2000 (26-5261). U.L. listed. 26-1169 . . . 995.00

VIS AND ARCNET NETWORK SYSTEMS

VIS™—Radio Shack's Videotex and Office Information System



- **Retrieve Information Using Menus, Keywords or Synonyms**
- **Tolerant of User Mistakes—Even Accepts Misspelled Words**
- **Most Any Terminal or Computer Can Access VIS Databases**
- **Store, Retrieve and Distribute Text, Programs and Graphics**
- **Use VIS as a Private or Public Information Delivery System**
- **VIS Allows for Both Access and Document Level Security**

Videotex and Office Information System (VIS). A revolutionary "Host" Videotex Program for storing, retrieving and distributing information. VIS offers state-of-the-art technology at prices that are well below comparable systems. In fact, some features are not available on other systems at *any* price.

A Closer Look at VIS. VIS, as with all videotex systems, is a two-way interactive system that transmits electronic information directly to information consumers. With VIS, "information consumers" may be a select group, the general public, or both. Any terminal or computer with communications capability can be used to receive and display text. The "information providers" establish and organize the data. An information provider could be a real estate organization, insurance company, major corporation, or anyone with information to be distributed on a timely, cost-effective basis. Central to VIS information distribution is the "system operator", who maintains the VIS system for either a single or for multiple information providers.

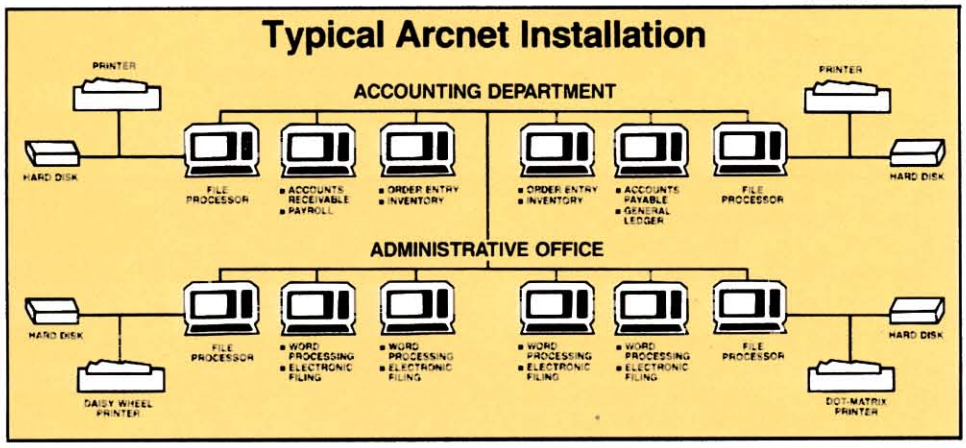
Using VIS as a Corporate Information Tool. VIS can meet the requirements of an information storage and delivery system within your company's internal operations. Using your office computer, home computer or a portable terminal, VIS lets you check factory orders against usable inventory, corporate sales figures, or any information required for higher efficiency and productivity.

Using VIS for Public Information. VIS can be used as a "public" information base in which paid subscribers are allowed access to information such as news, weather and stock reports. Airline schedules, real estate directories and credit bureau information are just a few of the services possible.

Retrieving Information Is Easy. The information consumer simply enters a request—using a document title or "keyword"—on a computer or terminal. VIS receives the request, retrieves the desired information and formats it to the computer or terminal. Then, the information is transmitted one screen at a time.

VIS Software. 26-6470 . . . . . 3500.00*
VIS Multiplexer Software. (Requires 26-6470.) 26-6471 . . . . . 1000.00*
8-Line Multiplexer. 71-3000 . . . . . 6000.00*
8-Line Multiplexer Upgrade Kit. (Requires 71-3000.) 71-3001 . . . . . 2000.00*

Share Data with Up to 255 TRS-80 Computers Using Arcnet



Arcnet. Radio Shack's Arcnet (or **A**ttached **R**esource **C**omputer **Net**work) is the high-performance local area network for TRS-80 computers, peripherals, software and information. With Arcnet, you can link up to 255 Model 12 and II computers for effective, large-scale operations. Office personnel can share hard disk files, printers and other accessories. Arcnet is highly reliable, because it's based on Datapoint Corporation's customer-proven ARC local network technology. Expand anytime without buying printers or hard disks for each additional user—and without re-programming!

Installation Is Simple. Arcnet consists of three hardware components. First, the Arcnet board is needed in each computer. The second element is the Coaxial Cable. One end is plugged into the computer, the other end goes to the third component, the "Hub". The smallest practical Arcnet system consists of three computers. Two workstations—called applications processors—can be connected to share the large hard disk file of the third TRS-80—known as a file processor. As you exceed the capacity of this network, simply plug in another applications or file processor.

Arcnet Board. Includes Applications Processor software and user's guide. Installation required (not included).
26-6501 . . . . . 399.00

Arcnet File Processor Software. Includes software, operation manual and system manager's manual. Only one package required per system. 26-6502 . . . . . 499.00

Active Hub. Connects up to seven Applications Processors to one File Processor. Cable length between a computer and Active Hub can extend up to 2000 feet. Active hubs can be linked for a system spread of up to four miles. U.L. listed.
26-6508 . . . . . 995.00

Passive Hub. Connects up to three Applications Processors to one File Processor. Cable length can extend up to 200 feet. Two passive hubs cannot be connected in series. 26-6504 . . . . . 79.00

16K Z-80 Memory Expansion Board. For Model II previously not used with hard disk.
26-6503 . . . . . 189.00

Coaxial Cable. RG62 with BNC connectors on each end.
20 Ft. 26-6510 . . . . . 15.95
50 Ft. 26-6511 . . . . . 24.95
100 Ft. 26-6512 . . . . . 39.95
Bulk. 26-6513 . . . . . Per Foot/21¢
BNC Fitting. 278-104 . . . . . 2.39
BNC/BNC Coupler. 278-115 . . . . . 1.99

*VIS Available Only Through Radio Shack Videotex Dept., 1400 One Tandy Center, Fort Worth, TX 76102. Arcnet Available Only at Radio Shack Computer Centers.

MODEL 4P NOW AT A NEW LOW PRICE!

A Portable Version of Our TRS-80 Model 4

1299.00

AS LOW AS $73 PER MONTH

Was $1799.00 in Cat. RSC-11

- **Totally Software Compatible With All Model 4 Disk Programs**
- **9" High-Resolution 80 x 24 Display**
- **Two Built-In 184,000-Character Double-Density 5¼" Disk Drives**
- **Built-In Programmable RS-232 Interface**
- **64K Memory—Expandable to 128K**
- **Use Extra Memory As a Super-Fast RAM-Based "Disk Drive"**
- **Parallel Printer Interface**
- **Typewriter-Style Keyboard with 12-Key Numeric Keypad**
- **Expand with Optional Built-In Modem, External Hard Disk Drives, Graphics and CP/M Plus Operating System**

TRS-80 Model 4P. Get the versatility of our popular TRS-80 Model 4 desktop computer in a compact system you can take anywhere! The Model 4P is easy to carry—weighs just 26 pounds—and it's small enough to stow in overhead luggage racks on planes, trains or buses. It's the perfect computer for our mobile society!

Use Thousands of Programs. Model 4P can use all Model 4 disk software. It can also run all Model III TRSDOS and LDOS disk programs (in Model III mode) without change. So a huge software library is already available. And Model 4P is compatible with the CP/M Plus operating system which opens the door to literally thousands of applications.

Who is the Model 4P for?

This transportable computer is designed for managers with work that just can't wait until they return to the office. The compact size of the Model 4P makes it usable anyplace where there's an AC outlet. Its software flexibility allows almost any task at hand to be performed—word processing, accounting, forecasting, programming, graphic presentations and much more.

Big on Features. Unlike some transportables, Model 4P is without compromise. You can depend on it as your desktop computer because of true desktop features. Rather than a small display screen, Model 4P features a full 80-character by 24-line 9" green-screen display that can be upgraded to provide optional 640 x 240 high-resolution graphics. The full-size keyboard features CONTROL, CAPS and three function keys. And you can add the internal direct-connect modem board to communicate with other computers and to access information services.

Superior Operating System. The powerful TRSDOS 6 operating system lets you use extra memory as a superfast disk drive. The result? Keystroke-quick responses instead of time-consuming disk access. The software print spooler allows you to print out a job at the same time you're using Model 4P for other tasks. A Job Control Language lets you set up a whole series of operations for your Model 4P to perform without supervision.

Thorough Documentation. Model 4P comes with Microsoft Disk BASIC and TRSDOS 6 operating system, owner and programming manuals, reference card, and an introduction to your computer that gets you started immediately.

Model 4P. Completely self contained in a hi-impact ABS case with a built-in carry handle. U.L. listed. 26-1080 . . . . . 1299.00

Model 4P Modem Board. Direct-connect auto-dial/auto-answer 300 bps modem features full/half-duplex and originate/answer modes. Completely software compatible with our Direct-Connect Modem II (26-1173). User installable.
26-1084 . . . . . 149.95

Model 4P Travel Case. Heavy-duty black vinyl case (shown above in use) resists scuffs and tears. Foam-padded bottom protects against drops. Inner pocket for manual and diskettes. 26-1085 . . . . . 24.95

SPECIFICATIONS. Microprocessor: 4 MHz Z-80A (2 MHz in Model III mode). **Memory:** 64K RAM, expandable to 128K. Provides for disk drive emulation in RAM, only 64K addressable from BASIC. **Keyboard:** 70-key typewriter-style with datapad, plus CONTROL, CAPS and 3 programmable function keys (F1, F2, F3). **Video Display:** 80 x 24 (Model 4 mode), 64 x 16 (Model III mode), or double-width 40 or 32 characters per line. Upper and lower case. Reverse video (Model 4 mode). 96 text, 64 graphics and 96 "special" characters. **Language:** Microsoft 5.0. BASIC. **Sound:** Obtainable from BASIC. Toggled "keyclick". **Disk Drives:** Two built-in double-density 184K 5¼" drives. **External Connections:** Parallel printer port. RS-232C serial port. Selectable 300-9600 baud. Buffered input/output bus. **Dimensions:** 16½ x 13¼ x 9¾". **Power:** 120VAC, 60 Hz.

MODEL 4–BETTER VALUE THAN EVER

64K 2-Disk With RS-232C

1299.00 AS LOW AS $73 PER MONTH

Was $1999.00 in Cat. RSC-11

64K 1-Disk Without RS-232C

1099.00 AS LOW AS $63 PER MONTH

Was $1699.00 in Cat. RSC-11

- **Self-Contained Desktop Unit**
- **80 × 24 Display**
- **Typewriter-Style Keyboard**
- **12" Monitor**
- **64K Memory—Expands to 128K**
- **Numeric Keypad**
- **RAM-Based Disk Drive**
- **Parallel Printer Interface**
- **CP/M Plus Compatible**
- **Runs Model III/4 Software**

TRS-80 Model 4. Compare the features of the Model 4 personal desktop computer to any other computer in its class. For power, versatility and convenience, you'll find Model 4 is a true price breakthrough!

Software Flexibility. Model 4 can run all Model III TRSDOS and LDOS programs (in Model III mode). That means a large software library is already available, and Model III owners can upgrade to a Model 4 without making their present software obsolete. In addition, Model 4 is compatible with the CP/M Plus operating system giving you literally thousands of application programs from which to choose.

Who is the Model 4 for?

The Model 4 is the perfect computer for busy managers, professionals, educators, and home computer users. Because a huge ready-to-run software library is currently available, Model 4 can be used for forecasting, word processing, data base management, computer assisted instruction, program development and for thousands of other applications. The TRS-80 Model 4 expands easily to meet your growing computing needs, too.

Easy to Use. Simply add ready-to-run programs for word processing, spreadsheet analysis, data base management and much more and Model 4 is ready to go to work. The 2-disk model provides 368K of disk storage (184K each) and has a built-in RS-232C Serial Interface to access information networks by phone (requires modem and cable). Three programmable function keys let you take advantage of program-designated operations.

Advanced Features. The TRSDOS 6 operating system allows you to turn extra memory into a superfast disk drive. This "MemDisk" feature allows for keystroke-quick responses instead of time-consuming disk access. A software print spooler lets you print one job while working on another. You can custom-tailor print-outs with the forms command. A Job Control Language makes it possible to set up a whole series of operations that Model 4 can perform unattended. A host/terminal package makes computer communications easy. There are more features for serious programmers, too, such as routing, linking and filtering.

Complete Documentation. Model 4 comes with Microsoft Disk BASIC that includes 40-character variable names, CHAIN, COMMAND and much more. Also comes with TRSDOS 6 operating system, an owner's manual, reference card, programming manual, and an introduction to start you computing immediately. U.L. listed.

64K 2-Disk. 26-1069 ..... 1299.00

64K 1-Disk. As above, but without RS-232C. 26-1068 ..... 1099.00

SPECIFICATIONS. Microprocessor: 4MHz Z-80A (2 MHz in Model III mode). **Memory:** 14K ROM, 64K RAM expandable to 128K (provides for disk drive emulation in RAM). **Keyboard:** 70-key typewriter-style with datapad, plus control, caps and 3 programmable function keys (F1, F2, F3). **Video Display:** 80 × 24 (Model 4 mode), 64 × 16 (Model III mode), or double-width 40 or 32 characters per line. Upper and lower case and reverse video (Model 4 mode). 96 text, 64 graphics and 96 "special" characters. **Language:** Microsoft 5.0 BASIC. **Sound:** Obtainable from BASIC. Toggled "keyclick". **Disk Drives:** One or two built-in double-density 184K 5¼" drives. **External Connections:** Cassette operation at 500/1500 baud Parallel printer port. RS-232C serial port (2-Disk version only). Buffered input/output bus. **Dimensions:** 12½ × 18⅞ × 21½". **Power:** 120VAC, 60Hz.

THE PERFECT BUSINESS STARTER KIT

Three Popular Programs that Take Advantage of Model 4's Superior Features—Large Internal Memory, 80 x 24 Display Screen and Improved Clock Speed

Disk SCRIPSIT®

4 (E) A low-cost, easy-to-use word processing program for Model 4. Lets you prepare memos, letters, reports and manuscripts right on the screen—displays a full screen of text in an 80-character by 24-line format. Multiple edit features let you delete, insert and move blocks of text. Then print as many correction-free copies as you wish with an optional printer. Includes all the standard features that have made SCRIPSIT an outstanding word processing program for years. There's a "global search" mode to find phrases or sentences that you want to alter or delete. Also features reformatting, hyphenation, centering, headers, footers, justification, margin and tab settings, automatic page numbering and more. With comprehensive learning manual and quick reference card.
26-1596 . . . . . 99.95

Target PlannerCalc

4 (E) Now you don't have to learn to program to use a spreadsheet! PlannerCalc's easy-to-use design eliminates the need for an extensive user's manual. Create your own financial models by entering and processing data by column, row or individual location. The program offers you a wide variety of mathematical operations, including conditional commands. And best of all, PlannerCalc is a spreadsheet program that uses plain English formulas instead of the more complex algebraic formulas. For example, an obscure equation like "A = 500" can be written as "LINE 1 WIDGETS = 500." And a "Help" screen that details an operation is available by simply pressing the question mark key. You can vary the width of columns from 2 to 30 characters and split the display horizontally or vertically for easy data comparison.
26-1512 . . . . . 99.95

pfs:file

4 (E) Create and organize your records according to your own specifications! With pfs:file, you get an easy-to-use personal filing program that works like a paper filing system, but without the paper! You decide how your records are to appear by simply organizing information on "forms" that you design right on your display screen. Form layouts can have as much or as little structure as you wish. The advantage? Store, retrieve and review information in a fraction of the time it would take with a conventional filing system. Once you've created the basic form, all you do is fill in the blanks. Enter data in any order that you like. Retrieval is not limited by the order in which the information is stored. And you can change the original form design without having to re-enter the data. pfs:file can be used in various applications: business, professional, home and education.
26-1518 . . . . . 124.95

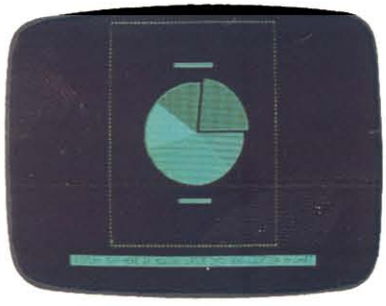
pfs:report. 4 (E) Produces reports from files created with pfs:file. See page 25 for complete description.
26-1517 . . . . . 99.95

New! 15-Megabyte Hard Disk Cable Kits for Model 4 and III

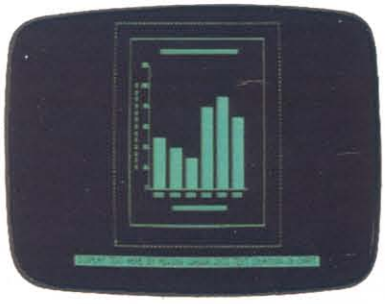
Add 15 million characters of storage for data and programs to your Model 4 or III. Ideal for inventory control, accounting and data base management. Compatible with most Model 4/III software—most programs transfer directly to hard disk. Each kit includes cable, software and manuals for use with our 15-Megabyte Hard Disk System (26-4155, page 13). Requires 48K 1-Disk Model III or 64K 1-Disk Model 4.

Model III Kit. Includes Model III LDOS operating system. 26-1133 . . . . . 99.95

Model 4 Kit. Includes Model 4 TRSDOS 6.2 operating system and manual.
26-1134 . . . . . 79.95



Low As **249.95**



Add High-Resolution Graphics to Your Model 4 or III

- **Turns Your Video Display Into a Graphics Blackboard**
- **For Business, Engineering or Entertainment**
- **Easy-to-Use Graphics BASIC and Assembly Language Subroutines Included**
- **Provides 153,000 Picture Elements (640 x 240) for Amazing Detail**

Model 4 High-Resolution Graphics. Turn your display into an electronic "sketch pad" to create sophisticated business graphs, tables, charts, maps, illustrations, geometric patterns—and even animation! All you need to learn are eleven new BASIC commands. Includes 32K RAM memory board, manual and diskette. Installation required, not included. Requires 64K 1-Disk TRS-80 Model 4. 26-1126 . . . . . 249.95

Model III High-Resolution Graphics. Requires 48K 1-Disk Model III.
26-1125 . . . . . 369.95

Business Graphics Analysis Program

174.95

Now Supports Hi-Res Graphics Board!

III (D) For corporate planners, analysts and managers. Select pie, bar, line or scatter charts, supply the data and the program quickly displays your graph on the screen. Allows editing of titles and labels before printing. Enter data from keyboard or disk files using VisiCalc.
26-1597 . . . . . 174.95

Minimum Hardware Requirements

III = Model III
I/III = Model I or III
4 = Model 4 Only

(A) 32K 1-Disk (D) 48K 2-Disk
(B) 32K 2-Disk (E) 64K 1-Disk
(C) 48K 1-Disk

* Requires 3-Disk System on Model I with SuperSCRIPSIT

All Model III Software will Run on a Model 4 (in the Model III Mode)

DISK SOFTWARE FOR MODEL 4/III/I

Powerful Data Base Management Systems for Your TRS-80

Profile® 4 Plus Filing System

NEW FOR '85 **249.95** AS LOW AS $26 PER MONTH (CITILINE)

4 (E) Create your own personalized electronic filing system! Profile 4 Plus offers you many possibilities for manipulating data you enter. You can store almost any type of information, then retrieve it at the touch of a key. Managers can keep track of price lists, business inventories, vendor and customer records, personal projects and more! And this enhanced version of Profile for the Model 4 has many new features that make it easy to develop your own specialized system. A full-screen Define Files program makes it easy to create and change fields, even after the file is expanded. Sort and select records by any field in any segment of the file. And sorting is extended over all available disk space—not just RAM. Features indexing for faster sorting and selection. Sort by up to five fields—in ascending or descending order—to a maximum of 85 characters. And you can select records using up to 16 different search criteria. Mass operations are accessed via indexes, as well as the regular scan operation. Indexes for report and label printing, and SuperSCRIPSIT and VisiCalc selections. A built-in math package can perform arithmetic operations—such as calculating taxes, extensions and totals—among several fields and then update another field automatically. Stores up to 700 records of 255 characters in length on a 2-disk data base, 2900 with 4 disks. Create up to 36 different reports and 36 different sets of mailing labels for each file. Design reports and labels up to 200 characters across and 99 print lines down. Up to ten different screen formats for each file. Up to 36 SuperSCRIPSIT and VisiCalc spin-off file formats per file for reports and form letters. Comes with easy-to-understand tutorial manual.
26-1635 (Avail. 10/15/84) 249.95

Profile Plus

Profile III Plus. III (D) Stores up to 700 records of 255 characters in length on a 2-disk data base, 2100 with 4 disks. Create 99 fields per record. 26-1592 . . . . . 199.00

Hard Disk Profile III Plus. III (C) Designed for hard disk users. Increases the number of records in your system and offers extra sorting features. 26-1593 . . . . . 299.00

pfs:file

pfs:file. 4 (E) See page 24 for complete program description.
26-1518 . . . . . 124.95

pfs:file. III (D) Contains all the features of the Model 4 version, but adapted for the Model III (64 x 16 display).
26-1515 . . . . . 124.95

pfs:report. 4 (E) Produces presentation-quality tabular reports from files created with pfs:file. Sort from any data category and calculate averages, totals and more. Prints in alphabetical or numeric order. Automatic centering and justification.
26-1517 . . . . . 99.95

pfs:report. III (D) Same as above, but adapted for the Model III.
26-1516 . . . . . 99.95

Formation Forms Management System

4 (E) Now you can quickly and easily complete such forms as insurance claims and loan applications. It's the perfect solution for businesses that are continuously filling out preprinted forms. To start, you first "create" the form on the display by typing in the questions and setting the print positions of the answers. Then each time you use this form, you'll merely type in the answers on the display screen. Your answers are then printed on the preprinted form in perfect position! 26-1527 . . . . . 199.95

Spreadsheet Analysis Programs

Enhanced VisiCalc

New Low Price! 4 (E) This versatile management and engineering planning tool takes advantage of Model 4's 128K memory capacity and 80 x 24 display screen to handle large problems. You simply define the formulas, enter the figures and VisiCalc performs all calculations automatically. Change any value or formula, and VisiCalc instantly updates every related number! You can view countless "what if . . . ?" situations in seconds. Enhancements include an entry editor to modify formulas and labels without re-entering them, and logical and relational operators to perform testing and branching. Optional printer allows printing of any portion of your worksheet. Was $199.00 in Catalog RSC-11.
26-1520 . . . . . 99.95

New Low Price! Enhanced VisiCalc. III (C) All the features of the Model 4 version (above) except screen display is 64 x 16 and memory capacity is 48K. Was $199.00 in Catalog RSC-11.
26-1569 . . . . . 99.95

Multiplan

4 (E) An incredibly easy-to-use decision support tool. Multiplan lets you consolidate related worksheets so that information is transferred between them automatically. All prompts are full length words or phrases. Plain English names can be assigned to any column, cell or area. If you have any questions, an On-Line Reference Guide knows where you are in Multiplan and offers information related to your problem. With Multiplan, up to eight display windows can be created on the screen simultaneously. Sorting can be performed in alphabetical or numeric order. Vary individual column widths, center numbers and text within a column and align decimals. Format your own reports, too. Multiplan can also directly utilize your current VisiCalc files. Includes tutorial manual.
26-1530 . . . . . 199.00

Target PlannerCalc

4 (E) An easy-to-use electronic spreadsheet for the TRS-80 Model 4. See page 24 for complete program description.
26-1512 . . . . . 99.95

SCRIPSIT® Word Processing

SCRIPSIT. 4 (E) See page 24. 26-1596 . . . . . 99.95

SCRIPSIT. I/III (A) 26-1563 . . . . . 99.95

SCRIPSIT Spelling Dictionary

NEW! 4 (E) Automatically checks text prepared with SuperSCRIPSIT for misspellings. Contains 73,000 words. Add your own user list, too. 26-1600 . . . . . 99.95

New Low Price! SCRIPSIT Spelling Dictionary I/III* (D) For text material prepared with SCRIPSIT, SuperSCRIPSIT or ASCII files. Was $149.00 in Cat. RSC-11. 26-1591 . . . . . 99.95

SuperSCRIPSIT®

4 (E) Includes all the word processing features of Model 4 SCRIPSIT (page 24) and more. SuperSCRIPSIT supports proportional-spaced printing, multiple line spacing, underline, boldface, super and subscripts, multiple columns, full 80 x 24 display format and reverse video to aid in editing. 26-1595 . . . . . 199.00

SuperSCRIPSIT. I/III (C) Includes all of the features of Model 4 SuperSCRIPSIT, but in a 64 x 16 display format and no reverse video. 26-1590 . . . . . 199.00

Save Time with Our "Manager Series"

Time Manager. III (D) A personal calendar/reminder and electronic notebook. Helps you organize your time and business information, and creates permanent records.
26-1582 . . . . . 99.95

Project Manager. III (D) Graphically displays a project in different ways to allow evaluation and scheduling. View project by time, sequence, personnel, materials or resources.
26-1580 . . . . . 99.95

Personnel Manager. III (D) Organizes employee information, including schedules and salaries, plus business contacts and clients. Files can be searched by person, company, product or service. Prepares telephone and mailing lists.
26-1581 . . . . . 99.95

MODEL 4/III/I BUSINESS SOFTWARE

Interactive Programs to Streamline Accounting

199.95 Each

- **Get Increased Speed, Efficiency and Accuracy with Computerized Bookkeeping**
- **Interactive Programs Give You Greater Control**

Only $175 Per Month On Our Commercial Lease (Plus Applicable Use/Sales Tax)

This top-of-the-line Model 4 business system is only $5007.95 and includes the powerful 64K TRS-80 Model 4 with one built-in disk drive (26-1068), 15-Megabyte TRS-80 Hard Disk Unit (26-4155; with installation kit, 26-1134) and high-performance DMP-500 printer (26-1252; with cable, 26-1401). It's the perfect system for accounting, as well as many other business applications.

Team Up These Programs for Super Efficiency

General Ledger. III/4 (D) Makes small business accounting procedures faster and easier. Maintains accurate records of all bookkeeping transactions and provides a balanced ledger. Use General Ledger alone or interface with the Accounts Receivable, Accounts Payable and Payroll programs for a complete, interactive accounting system. Handles up to 100 accounts and 1150 monthly transactions. Generates easy-to-read financial reports, including Trial Balance (with or without a worksheet), Income Statement, Balance Sheet, General Ledger, Account List with all accounts (or a specified range of accounts) and their current-period and year-to-date balances, Posted Transactions Report and Unposted Transactions Report for the current period. Computes up to five levels of totals and two levels of headings for financial statements. Provides each account's end-of-period balance for the previous fiscal year's 12 periods, as well as each account's end-of-period balance for all complete periods of the current fiscal year. Lets you compare current year figures with previous year figures on the same balance sheet or income statement. 26-1540 . . . . . 199.95

Accounts Receivable. III/4 (D) A balance forward system which provides rapid and accurate monitoring of sales and incoming funds. Interfaces with General Ledger above—all transactions are summarized and the totals are automatically posted to General Ledger. Offers seven standard General Ledger accounts, plus 10 user-definable accounts. Handles up to 2000 transactions per month with up to 150 customers on file. Reports include Unposted Transactions, Posted Transactions, Customer List, General Ledger Account List and Aging Report on selected customer accounts. Offers optional use of minimum payment amount on statements, and optional late charge processing (compounding option also available). You can print mailing labels, statements, an Aged Trial Balance for audit purposes and a General Ledger report. 26-1541 . . . . . 199.95

NEW! Invoice Writer. III/4 (D) Provides a rapid and accurate method of creating invoices using the up-to-date information contained in the Accounts Receivable system. Automatically computes taxes and discount rates that are defined by you. Requires Accounts Receivable (above). 26-1544 . . . . . 49.95

Accounts Payable. III/4 (D) Automatically posts transactions and payments to General Ledger program. Handles up to 1100 transactions, 75 vendors, five General Ledger expense distributions per invoice and 14 invoices per check. Includes four General Ledger accounts, plus 10 user-definable accounts. Calculates due dates, discount dates and discount amounts by vendor payment terms. Prints Unposted Transactions List, Transaction Posting Report, Vendor List, Open Items List, Cash Requirements Report, Vendor Mailing Labels, G/L Account List, G/L Distribution Report, Check Review Report (for verification before check printing), Checks, Check Register and Payment Posting Report. 26-1542 . . . . . 199.95

Payroll. III/4 (D) Tracks earnings, deductions and taxes for each employee, as well as employer contributions such as FICA, FUI, SUI and more. Interfaces with the General Ledger program. You can customize your system in accordance with local, state and federal tax laws. Processes up to 80 employees, each with up to nine earnings and nine deductions categories. Handles payroll tasks for up to three states simultaneously. Earning/Deduction types allow changing amounts for employees, taxed or exempt. Also define categories for FLSA and EEOC reporting, keep historical records by period, quarter and year, and more.
26-1543 . . . . . 199.95

NEW! W-2 Writer. III/4 (D) For use with the Payroll system above. Using the information already collected on the Payroll data diskette, W-2 Writer saves you time by printing W-2 forms customized to fit your needs. 26-1539 . . . . . 49.95

NEW! Inventory Control. 4 (F) Designed to make inventory control easier and more accurate. Produces a reorder report showing items below designated reorder level, plus an on-hand listing of items. Prints ten major reports, plus nine custom reports designed by you. Prints purchase orders and labels. Allows physical inventory count to be taken by cycle and lets you automatically reorder stock. Provides customized reports using the SORT utility. Processes up to 100 vendors, 50 purchase orders, 1200 inventory items and 350 purchase order line items. 26-1545 . . . . . 199.95

(Note: Three disk drives required to interface programs. All programs require a printer capable of printing 132 columns or an 80-column printer capable of printing 132 columns in condensed format.)

More Quality Disk Programs for Business People and Managers

NEW! Apartment Management System. An efficient and easy-to-use system designed to provide property owners and managers with rapid and accurate monitoring of apartment complexes. Maintains a history of prior payments for each apartment. Divides monthly rental charges into user-defined categories. Produces many financial and problem reports on request. Provides a printout of all transactions that can be used as an accounting audit trail. Provides month-end income totals. Maintains a history of repair orders and other notes regarding maintenance on apartments. Stores up to 450 apartment units on each diskette. Prints mailing labels. Requires Model 4 with three floppy drives or Hard Disk.
26-1538 (Available 10/15/84) 299.95

Business Checkwriter™. III (D) Ideal for small business! You get a check writer, a detailed check stub for paying multiple invoices, and a bank reconciliation system. Handles multiple accounts individually, 100 payees, 100 expense categories and 375 total checks and deposits per period. Records handwritten checks and multiple daily deposits. Maintains current bank total. Check stub details discounts and expenses. Prints checks, detailed stubs, check register, expense and payee-to-date summaries, payee lists and expense list. Requires printer. 26-1585 . . . . . 149.95

Real Estate Finance. III (D) Ideal for the agent, investor, broker, lender or appraiser. Features Complete Mortgage, Equity, Present Worth and Building Developmental Analyses, as well as Rate of Return, Income and Expense Projections and more.
26-1579 . . . . . 99.95

Manufacturing Inventory Control. I/III (B) Handles up to 1900 raw materials, up to 20 finished goods per diskette. Prints bill of materials, material requirements, pull sheets, finished goods list, inventory worksheets, "where used" reports and more. 26-1559 . . . 199.95

GET THE MOST FROM YOUR MODEL 4

Amazing DoubleDuty Utility Makes Your Model 4 Work Like Two Computers!

NEW FOR '85 **69.95**

- **Lets You Load Two Different Programs at Once**
- **Move Back and Forth Between Programs Without Reloading**
- **All Information You Enter Remains Intact for Both Programs—Even While You Move Between Them**
- **Retains All TRSDOS and BASIC Commands While in Use**

DoubleDuty. Divides your computer's 128K memory into three complete and independent partitions. Partition 1 and 2 each operate like a 64K Model 4. You can load and execute any Model 4 program designed to run on a 64K system into each partition. You can also run BASIC or TRSDOS commands in either partition. In addition, you can use Partition 3 to execute TRSDOS library commands. It's like having two separate Model 4's! Since most Model 4 programs require no more than 64K, DoubleDuty takes advantage of your system's increased memory capacity. And because DoubleDuty takes up almost no memory itself, it is able to more than double the system's operating potential. For example, you could load the SCRIPSIT® word processing program in Partition 1, and an electronic filing program in Partition 2. While typing a document in SCRIPSIT, you discover that you need data stored in the file program—you simply move to the file program, find the information, and return to SCRIPSIT. You may reference the TRSDOS directory for information—all without disturbing your document. Designed to use your full memory capacity for convenience and speed. Requires 128K Model 4 or a Model III modified with Model 4 Upgrade Kit (26-1123) and the Model 4 64K RAM Kit (26-1122). DoubleDuty may not be compatible with all Model 4 programs. Communications may not be used with DoubleDuty. 26-2231 (Avail. 10/15/84) 69.95

Advanced Programming Languages for Model 4/III/I

Assembly Language Development System. III/4 D Powerful package that's a necessity for the assembly language programmer. With full screen Editor, Assembler with sorted cross-reference listing, Linker for creating an absolute file, automatic File Transfer, and Debug modules. Offers numerous important and helpful features and includes TRSDOS 6 and Model III TRSDOS 1.3 support.
26-2012 . . . . . 149.00

Editor/Assembler, Series I. I/III A Allows advanced programmers to program in Z-80 assembly language. Includes editor/assembler, sample programs and extensive 255-page manual—including detailed descriptions of the Z-80 mnemonics. 26-2013 . . . . . 34.95

BASCOM-4. 4 F Feature-packed for fast compilation of Model 4 BASIC programs. BASIC compiler lets you execute faster than the same interpreted programs, and require less memory. Includes compiler, linker routine library and run-time package. Source-code security is provided. 26-2218 . . . . . 195.00

BASCOM. III D 26-2210 . . . . . 195.00

FORTRAN-4. 4 F Write programs in FORTRAN using EDIT-80, a powerful editor with commands for interline and intraline editing. Compiler reads your FORTRAN source program from diskette, translates it into relocatable object code and saves it on diskette. Linker lets you input the relocatable object program, execute it and save it on diskette as a TRSDOS command file. Assembler lets you create relocation assembly language subroutines that you can link to your FORTRAN programs. Includes 250-page manual.
26-2219 . . . . . 99.95

FORTRAN. III D 26-2200 . . . . . 99.95

FORTRAN. I D 26-2201 . . . . . 99.95

COBOL-4. 4 F Based on the ANSI '74 standard, COBOL is an English-oriented programming language designed primarily for developing business applications on computers. Features single-step compiler multi-key ISAM, COBOL editor and DEBUG. A listing of the program is generated showing the original source statements, error information, data allocation, interactive DEBUG information and optional cross-reference of all program labels and data items. Includes 297-page manual. 26-2190 . . . . . 199.00

COBOL. I/III D 26-2203 . . . . . 199.00

BFBLIB BASIC Routines Diskette. I/III B Supercharge your programs with these 121 subroutines, functions and utilities described in BASIC Faster and Better & Other Mysteries (62-1002, not included). Modify routines or use "as is". 26-2021 . . . . . 19.95

NEW! TRS-80 Model 4 C Programming System. 4 F A complete implementation of C language for program development. The library routines are Unix-compatible, making it easy to transport programs from other computers to the Model 4—or vice versa. Includes a powerful, programmable full-screen text editor. You can map editor commands to the Model 4 keyboard as desired and define your own editor commands. The TRS-80 C compiler generates a very efficient and compact object code. TRS-80 C programs will execute 10 to 50 times faster than BASIC programs. The compact size of the object code lets you develop large programs without overlays or chaining. Also compatible with TRS-80 Pascal (Cat. No. 26-2212, below). You can call functions or procedures written in Pascal from a TRS-80 C program or vice versa.
26-2230 . . . . . 249.95

Alcor Pascal. Alcor Pascal is a full Pascal implementation. For speed and efficiency, the compiler generates a p-code (pseudo-code) that can be interpreted, or further translated into machine instructions for execution directly by the hardware. For added space, an optional p-code optimizer reduces a program by 10-30%. For added speed, an optional native code generator converts the p-code to machine language. Resulting code executes between three and five times faster than the p-code. Object code is portable, so you can compile programs on one system and execute them on another. Includes compiler, interpreter, linking loader for building libraries of commonly-used routines, full-screen text editor, large library of routines, extensive string routine library, and a documentation package which includes a Pascal tutorial with 500-line data base program.

Alcor Pascal for Model 4. 4 E 26-2212 . . . . . 249.95

Alcor Pascal for Model I/III. I D III C 26-2211 . . . . . 249.95

Compiler BASIC. I/III D Single-key ISAM, DEBUG and cross-reference. (Intended for program development and not for conversion of existing software. Not compatible with Level II or Model III BASIC programs.)
26-2204 . . . . . 149.00

Runtime Diskettes. I/III/4 C For those who sell software developed on our compilers.

Runtime Diskette	Model 4	Model I	Model III	Each
COBOL	26-2191	26-2206	26-2207	30.00
Compiler BASIC		26-2208	26-2209	20.00

Minimum System Requirements

I = Model I only
III = Model III
I/III = Model I/III
4 = Model 4 only

A 32K 1-Disk
B 32K 2-Disk
C 48K 1-Disk
D 48K 2-Disk
E 64K 1-Disk
F 64K 2-Disk

MODEL 4/III/I PERSONAL SOFTWARE

The Home Accountant

NEW FOR '85

99.95

The Popular Budget Program Now for the Model III

III D A comprehensive personal finance system for you and your family. Lets you define up to 99 budget categories, monitor transactions, keep track of up to five checkbooks and even print checks. Produces eight financial reports and bar graphs for any budget category with optional printer. Shows a historical trend analysis for any budget category. 26-1511 . . . . . 99.95

New! Investment Portfolio Manager

III D Designed for investment counselors and individuals who trade in the securities market. The system monitors and reports on the information needed to manage stable, profitable securities portfolios. Handles up to 250 securities, 20 portfolios and 1700 transactions—and stores organized, descriptive screens of information for each. Allows rapid review and correction of information, automatically computes totals and keeps records of income earned. Prints seven customized reports with optional printer. Features telecommunications with Dow Jones News/Retrieval (see page 32 for full description of service). RS-232C interface and modem required for communications. 26-1514 . . . . . 199.95

New! TRSDOS 6 Training Course

4 E A comprehensive course in using TRSDOS 6 on your Model 4.
26-2019 . . . . . 74.95

New! Assembly Language Tutor

I/III A A self-paced teaching program introducing assembly language programming. Learn to execute Z-80 machine-language instructions that are much faster than BASIC. Includes a complete text, plus hands-on software training.
26-2018 . . . . . 69.95

Trendex Stock Market Analysis

I/III A Provides stock market trend indications for short, intermediate and long-term periods. Maintains intermediate trends for portfolio of your choice. Analyzes data with formulas used by professional investors. Not for counsel to buy or sell securities.
26-1510 . . . . . 59.95

New! Money Decisions Series

Each program puts the most frequently used business and financial problem-solvers at your fingertips! Takes your information from prompts and performs sophisticated calculations. Lets you create a set of problem-solving assumptions and then calculates "before and after" effects of multiple alternatives. Each can be used alone or in conjunction with the other Money Decisions programs. Produce formatted reports with optional printer. Each comes with extensive tutorial manual.

Money Decisions I. 26-1620 . . . . . 49.95
Money Decisions II. 26-1621 . . . . . 49.95
Money Decisions III. 26-1622 . . . . . 49.95
Money Decisions IV. 26-1623 . . . . . 49.95
Money Decisions V. 26-1624 . . . . . 49.95

Powerful Operating Systems and Helpful Utilities

New! TRSDOS 6.2

4 E Operates 20% faster than TRSDOS 6.1. Features a HELP utility for all commands. Features user-definable system calls and many technical enhancements. Includes replacement pages for the Technical Reference Manual (26-2110).
26-316 . . . . . 39.95

New! TRSDOS 6.2 Utilities

4 E Includes Quick Format and Backup that lets you make a backup in less than one minute; The BASIC Answer which allows use of labels instead of line numbers in BASIC while programming; Mod 324 which simplifies conversion of Model III BASIC programs to Model 4 BASIC; UNKILL to recover killed programs; BSORT for sorting from BASIC with tag variables; and COMP which compares two disks or files for a match. Requires TRSDOS 6.2 (above).
26-315 . . . . . 39.95

LDOS 5.1 Operating System

III D LDOS is an advanced operating system developed for the TRS-80 Model III (or Model 4 in the Model III mode) by Logical Systems. It offers the TRS-80 user many features and enhancements that are not included in TRSDOS. First of all, it adds data transportability—you can read LDOS diskettes on a TRS-80 Model I or on a Model III or 4. Other important features include a Job Control Language to control an unattended computer, a terminal utility, keyboard type-ahead, printer spooling to memory and/or disk, a printer output formatting program, and device independence—linking, routing and filtering. Supports 5¼" and 8" floppy disk drives in single or double-density and in single or double-sided configurations (requires appropriate hardware). Included in the LDOS package is an extensive operating manual with examples of functions, a glossary and handy cross-reference index. Most Radio Shack software is supported under LDOS (documented with purchase).
26-2214 . . . . . 129.00

CP/M Plus

4 F A valuable addition to Model 4, CP/M Plus is designed for the business user. It supports thousands of existing CP/M programs, including popular word processing, spreadsheet analysis and data base management programs. CP/M Plus is easy to learn and even offers a HELP facility. It's upward compatible with CP/M 2.2, but has many new features—including a high-performance file system. In addition, CP/M Plus automatically logs in a disk when it detects a media change. For easy file selection, time and date stamping options allow the user to record in the disk directory two entries for time and date stamps for each file. No additional hardware required.
26-2216 . . . . . 149.95

CBASIC

4 F A super-efficient business language that complements application development under CP/M Plus. CBASIC works as a complier/interpreter that uses random access memory more efficiently. That means more memory for the application program. Source code is compiled by CBASIC into an intermediate file composed of psuedo-code (p-code) instructions. During program execution, the CBASIC run-time monitor interprets each P-CODE instruction and performs the operation. CBASIC provides two types of files for maximum flexibility: fixed record length files and stream input/output files. CBASIC also includes native code compilation, relocatable code, convenient linkage to assembly programs, string lengths to 32,000 bytes, debugging capabilities, cross reference lister, support for multi-user operating systems and more.
26-2217 . . . . . 99.95

PowerTool

I/III C A flexible, powerful utility package. PowerTool contains utility routines that allow you to directly examine and modify diskettes written in any version of TRSDOS and LDOS, restore many unreadable diskettes to a readable condition, and format or backup all or part of a diskette. Contains its own operating system.
26-2022 . . . . . 49.95

MORE DISK SOFTWARE FOR BUSINESS

TK!Solver Electronic Worksheet

NEW FOR '85

299.95

AS LOW AS $27 PER MONTH

- **Quickly Solves Problems with Complex Equations**
- **Use by Itself or with Optional Solverpacks**

TK!Solver. Makes it easy to solve mathematical problems. You simply enter one or more equations and then the program solves them. All the tools needed for problem-solving are built into the program, including mathematical functions, facilities for converting units of measurement and the ability to produce graphs and tables (with optional printer). TK!Solver can solve a broad range of problems using models and equations with variables of known and unknown values. Given a model and known values of variables, the TK!Solver program solves for as many unknown values as is possible. The program's problem-solving ability is powerful and versatile enough to apply to many fields, from financial planning to architectural design to chemical analysis. You can also use it in conjunction with the SolverPacks below for special applications. Requires 128K Model 4. 26-1630 . . . . . 299.95

Finance Solverpack. For use with TK!Solver for problems in financial analysis. The topics include compound interest, net present value, level debt service, cost of equity capital, analysis of financial statements, stock option pricing, bond swaps, convertible debt and bond refunding decisions. Requires TK!Solver (above). 26-1631 . . . . . 99.95

Science Solverpack. Covers a wide range of topics in introductory science at a level comparable to American secondary schools. Covers topics in chemistry, biology, physics, thermodynamics and population studies. Requires TK!Solver (above). 26-1632 . . . . . 99.95

Mechanical Engineering SolverPack. The topics include analysis of elastic beam bending, springs, area moment of inertia, Mohr's circle, rotational systems, heat transfer, fluid flow and hydraulics. Requires TK!Solver (above). 26-1633 . . . . . 99.95

New! Construction Estimator

Provides builders, appraisers, real estate developers and insurance adjustors with time-saving and competitive building information. Includes three templates for use with VisiCalc (see page 25) on one diskette: Quantity Survey (cost) Method, Square Foot Method and Unit-in-Place Method. Estimates construction costs, property values and individual component costs. Compares material and lumber suppliers, material and cost differences, plus actual and estimated costs. Automatically calculates cost difference between suppliers, percent of monies expended, completion percentages, savings realized by item, individual item extensions, cost savings realized by item, individual item extensions, cost savings and/or cost overages. Features automatic recalculation of entries and customization of worksheet to your specific needs. Provides for tax calculations, sales commissions, loan points, bank draws, Home Owner Warranty, advance requested, plus many personalized categories. Gives you more cost-effective and efficient use of your bidding time. 26-2025 . . . . . 49.95

VisiCalc Business Forecasting Model

III C Now you can generate financial reports based on your VisiCalc spreadsheets. Produce easy-to-read income statements, balance sheets, cash flow, financial ratios, sales and cost of goods for multiple products, salary worksheets, asset and depreciation schedules. Requires VisiCalc (see page 25). 26-1521 . . . . . 99.95

Business Analysis with Desktop/Plan-80

III C Analyze probable results of business decisions. This sophisticated financial planning program guides you from model development to printing high-quality reports. Consolidates sub-models into one summary model, transfers several budgets to a summary budget, reads VisiCalc files to produce reports and more. Plots points for line charts and automatically formats printed reports (with optional printer). 26-1594 . . . . . 199.00

Access a World of Agricultural Information

399.00

AS LOW AS $29 PER MONTH

- **Now Comes with 12 Months Basic Service and 1 Hour Connect-Time—at No Charge!**
- **24-Hour Worldwide Marketing News**
- **Local and State Weather and Alerts**

AgriData. III C Access the latest agricultural maketing, finance, news, weather, general business and production information from the Agridata Network (formerly the AgriStar service). All you need is a Model 4 or Model III and a telephone interface. Includes a user's manual with quarterly updates, a reference flip chart, a subscription to Farm Futures magazine, a newsletter and a toll-free 24-hour support service from AgriData Resources. 26-2227 . . . . . 399.00

AgDisk Agricultural Software

Farm Accounting Package. III D Make record-keeping easier and faster! You can have double-entry accuracy with the ease of a single-entry function, using either cash or accrual basis. Six preselected account lists cover most farm or ranch operations to help save you time. In addition, you control the length of an accounting period, all report headings, the sequence in which reports are printed and much more. 26-1546 . . . . . 499.00

Financial Management. III C Includes five programs, each dealing with a different area of money management. The Land Purchase Analysis program lets you make an in-depth cash flow study before any purchase is made. Other programs include Depreciation Scheduling, Farm Profit Analysis, Loan Cost Calculator and Interest Income Calculator. 26-1547 . . . . . 99.95

Machinery Management. III C Track vital information about your farm machinery. You can calculate the total fixed and variable costs of virtually any piece of machinery. Determine total operating costs per year, per acre and per hour, plus a breakdown of costs for depreciation, interest, taxes, insurance, housing, labor and repair. 26-1548 . . . . . 99.95

Corn/Soybean Management. III C Contains five programs—Grain Storage Decisions, Harvest Loss Calculations, Crop Yield Calculations, Field Population Calculator and Planter Calibration Calculator. Determine combine efficiency, estimate yields, figure planter settings and more. 26-1549 . . . . . 99.95

AgDisk software packages require an 80-column printer.

Time-Saving AgDisk VisiCalc Templates

AgDisk makes the popular VisiCalc "electronic worksheet" program (described on page 25) easy to use for agricultural applications. AgDisk templates automatically load your headings and formulas into VisiCalc. You just input the data requested—and when you change an entry, you instantly see the results.

Business Management. III D Templates for depreciation, land purchase, business analysis, credit line, installment loan, investment payback and net present value. 26-1610 . . . . . 69.95

Cow-Calf Herd Management. III D Includes templates for beef cow-calf, cattle weaning, yearling weight, bull test records, gestation calendar, metabolizable protein and urea fermentation potential, and ration formula. 26-1611 . . . . . 69.95

Crop Management. III D Includes templates for grain marketing, grain yield, corn yield, gross margin, hybrid selection, growing days, field calculations, lime recommendation, pivot application, fertilizer needs and cost. 26-1612 . . . . . 69.95

Feedlot Cattle Management. III D Templates for cattle feeder, higher grade, steer marketing, carcass evaluation, cattle net energy, metabolizable protein and urea fermentation potential, protein supplement and ration formulation. 26-1613 . . . . . 69.95

Minimum Hardware Requirements

III = Model III	A 32K 1-Disk	D 48K 2-Disk
I/III = Model I or III	B 32K 2-Disk	E 64K 1-Disk
4 = Model 4 Only	C 48K 1-Disk	F 64K 2-Disk

Model III Software will Run on a Model 4 (in the Model III Mode)

MODEL 4 PERSONAL COMPUTER

Start Computing at a New Low Price!

799.00 AS LOW AS $45 PER MONTH

Was $999.00 in Cat. RSC-11

- **Self-Contained Desktop Unit With Keyboard, Datapad and Monitor**
- **High-Resolution Monitor Displays 16 Lines of 64 Characters**
- **Powerful BASIC Language in ROM**
- **Built-In Parallel Printer Interface**
- **Easy Internal/External Expansion**

16K TRS-80 Model 4. An affordable personal computer that's ideal for beginners and pros alike—easy to use and hard to outgrow. Add a cassette recorder (below) and put the Model 4 to work or play with our library of ready-to-run software. Set up a budget, compose music, create graphics, teach your kids, play games and much more. Model 4 can be used to analyze statistics or turned into an incredibly low-cost word processor. Other languages and utility programs are also available. An easy-to-follow beginner's manual makes it easy to learn BASIC programming. Add a printer, plotter, RS-232, telephone interface and more as your needs grow, plus you can expand into a powerful disk-based system. U.L. listed. 26-1067 . . . . . 799.00

SPECIFICATIONS. Microprocessor: Z-80A 8-bit. **Clock Speed:** 2.03 MHz. **Memory:** 14K ROM, 16K RAM (expandable to 64K). **Keyboard:** 70-key typewriter-style with control key, function keys (F1, F2, F3), caps key and 12-key datapad. **Video Display:** Memory mapped with high-resolution 12" monitor. 64 or 32 characters by 16 lines, upper and lower case. 96 text, 64 graphics and 96 "special" characters. **External Connections:** Computer-controlled cassette interface at 500/1500 baud selectable under ROM BASIC. Parallel printer port. Buffered input/output bus. **Dimensions:** 12 1/2 x 18 7/8 x 21 1/2". **Power:** Integral power supply, 105-130VAC, 60 Hz.

Increase the Versatility of Your TRS-80 Model 4/III/I Computer

Cassette Recorders for Loading and Storing Software

NEW FOR '85 Low As **49.95**

CCR-82

- **Computer Starts and Stops Recorder Automatically**
- **Auto-Level Control and Cue/Review**
- **Cable Included**

NEW! CCR-82. Our most compact, lowest-priced recorder. Features volume control with preset and monitor switch. 7 1/8 x 4 11/16 x 1 5/16". Requires four "AA" batteries or AC adapter (not included).
26-1209 . . . . . 49.95

CCR-81. Works on AC or four "C" batteries (not incl.). With battery/record LED. 10 1/2 x 5 3/4 x 1 13/16". U.L. listed.
26-1208 . . . . . 59.95

Communications Hardware

Model III/4 RS-232C Serial Communications Board and Cable. Allows you to communicate with information networks and other computers by telephone. Send/receive electronic mail, access bulletin boards and much more. Requires modem and software. Installation required (not included). 26-1148 . . . . . 99.00

Model I RS-232C Interface Board. Requires Expansion Interface.
26-1145 . . . . . 99.00

Expansion Options and Upgrade Kits for Your Model 4/III/I Computer

New Low Price! Model 4 Internal Drive 0. Includes a 184K, 5 1/4" double-density disk drive with TRSDOS 6 operating system, Disk BASIC and manual. Was $649.00 in Cat. RSC-11. 26-1127 . . . . . 499.95*

New Low Price! Model III Internal Disk Drive 0. Includes TRSDOS, Disk BASIC and manual. Was $649.00 in Cat RSC-11.
26-1162 . . . . . 499.95*

Model III/4 Internal Drive 1.
26-1163 . . . . . 239.95*

External Disk Drives. Each drive adds 184K of data storage to your Model III or 4. Uses 40-track 5 1/4" diskettes. Internal Drive #0 required. U.L. listed.

Drive 2. 26-1164 . . . . . 319.95

Drive 3. 26-1161 . . . . . 279.95

Model 4 64K RAM Kit. Expands 64K Model 4 to 128K. Required for Model 4 cassette-to-disk upgrade. 26-1122 . . . 79.95*

Model 4 Upgrade Kit. Converts Model III disk computer to a Model 4 disk system (except for cabinet). Includes new keyboard, 64K RAM, TRSDOS 6 diskette with Disk BASIC. 26-1123 . . . . . 799.95*

Model III/I 16K RAM Expansion Kit.
26-1102 . . . . . 49.00*

New Low Price! Model III BASIC and 16K RAM Kit. Upgrades 4K Level I to Model III BASIC. For Model III only. Was $299.00 in RSC-11. 26-1121 . . . . . 149.00*

New Low Price! Level I to II ROM Upgrade. For 4K or 16K RAM. Was $150.00 in Cat. RSC-11. 26-1120 . . . . . 75.00*

New Low Price! Numeric Keypad Kit. Was $79.00 in Cat. RSC-11.
26-1103 . . . . . 39.00*

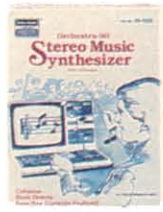
New Low Price! Model I 16K RAM and Keypad. Was $130.00 in Cat. RSC-11.
26-1101 . . . . . 80.00*

*Installation required (not included)

Prices Apply at Radio Shack Computer Centers and Participating Radio Shack Stores and Dealers

FUN AND GAMES FOR MODEL 4/III/I

Electronic Music Synthesizer



NEW FOR '85 **79.95**

Compose Your Own Stereo Music on Your Computer and Listen to It on Your Home Stereo System

Orchestra-90 (1/2) Create highly sophisticated electronic music and sound effects. Both musicians and non-musicians can compose in six octave ranges in up to five voices. Transcribe sheet music, too. Includes cassette software and an interface that connects your home stereo to the Model III/4 computer. Plays programmed sounds only. 26-1922 . . . . . 79.95

2-in-1 Game Packs

Games Pack 2. (1/2) Includes two games! Recover the stolen fuel cells and return them to earth in Defense Command. Escort your supply cruisers through enemy zones in Stellar Escort. Optional sound effects. 26-1925 . . . . . 24.95

Disk Version. (3) 26-1926 . . . . . 24.95

Games Pack 3. (1/2) Includes two games! Destroy wave after wave of alien space ships in Cosmic Fighter. Avoid the space rocks and rescue the stranded astronauts on a distant planet in Meteor Mission 2. Optional sound effects. 26-1923 . . . . . 24.95

Disk Version. (3) 26-1924 . . . . . 24.95

More Games on Cassettes

Magic Carpet. (1/2) Interactive adventure game for youngsters. 26-1919 . . . . . 9.95

Space Warp. (1/2) Seek out and destroy the alien vessel. Ten levels of play. 26-1912 . . . . . 14.95

Starquest. (1/2) Explore a planet and fight off aliens! 26-1920 . . . . . 14.95

Bedlam. (1/2) Escape the asylum! Dodge guard dogs and insane patients. Different exit every time. 26-1917 . . . . . 14.95

Microchess. (1/2) Three skill levels—ideal for beginners or advanced players. 26-1901 . . . . . 19.95

Develop Your Own Computer Games

NEW! Graphics-90. (4) A complete graphics and animation program. Now you can easily create your own games in BASIC that are equal to many machine-language games! Create state-of-the-art pictures and animation sequences with your Model III or 4 and display the images in random or sequential order. Print graphics on any Radio Shack dot-matrix printer with bit-image capability. Two disk drives are recommended for best graphics. 26-2027 . . 39.95

Zork I Adventure Game

One of the Most Popular Adventure Games Ever Offered **39.95**

Zork I. (3) You must stay alive and find the hidden treasures of this challenging, complex adventure game. 26-1951 . . . . . 39.95

Exciting Cassette and Disk Games

NEW! Computer Diplomacy. (4) A realistic game of strategy and international politics. You command one of the seven great powers of Europe prior to World War I. You seek to control the continent through careful planning and by negotiating alliances with other players. For up to seven players. 26-1957 . . . . . 19.95

NEW! Zaxxon. (1/2) Bring the popular arcade challenge home to your Model 4. Advance from "Rookie Pilot" to "Combat Ace Pilot" as you enter the floating fortress, destroy enemy defenses, and finally defeat the mighty robot, Zaxxon. Add an optional amplifier for great sound effects. 26-1960 . . . . . 29.95

NEW! Zaxxon Disk Version. (4) 26-1956 . . . . . 29.95

NEW! Frogger. (1/2) A licensed version of the original arcade game. Get your frogs safely across the road. Then guide them to their lily pads on the other side of the river. Optional computer-generated music requires mini amplifier. 26-1958 . . . . . 19.95

NEW! Frogger Disk Version. (4) 26-1959 . . . . . 19.95

NEW! In the Hall of the Mountain King. (3) Destroy the Troll King and his underground kingdom and rescue the kidnapped princess. You'll have to battle trolls, enter the dreaded Norwegian Circle Maze and recover the stolen treasure. 26-1921 . . . . . 14.95

NEW! Sword of Roshon. (2) A special interactive story—and you can be the hero! Make decisions that help determine the outcome—it's different everytime! But be careful of making the wrong choice. 26-1918 . . . . . 9.95

NEW! 13 Ghosts. (4) Armed only with your "Ghost Blaster", you're out to de-spook a Ghost Town. You'll encounter a skeleton that's immune to your blast and a "laughing ghost" with an annoying knack for waking up dangerous ghoul friends. You'll be lucky to get out alive! 26-1927 . . . . . 19.95

Monty Plays Scrabble. (3) Challenging word fun! Features 54,000-word vocabulary, different skill levels and automatic score keeping. Add a mini-amplifier for sound effects. Requires board game. 26-1954 . . . . . 34.95

Model 4/III/I Business and Personal Cassette Software

NEW! Spectaculator. (1/2) An electronic spreadsheet for forecasting and problem solving. Enter labels and numbers in row/column format. Change a value or formula and all affected figures are updated automatically. 26-1513 . . . . . 49.95

NEW! DOTPLOT-80. (1/2) Create beautiful graphics with easy-to-use BASIC commands. Requires graphics-mode printer. 26-2023 . . . . . 19.95

SCRIPSIT® Word Processing. (1/2) Compose and edit text on the video display, then use an optional printer to produce correction-free letters and reports. Features centering, headers, footers, global search and more. Save text on cassettes for later revision. 26-1505 . . . . . 39.95

Budget Management. (1/2) Records up to 60 budgeted accounts with 25 cash expenses, 20 savings transactions and 50 checks/month. Prints reports with optional printer. 26-1603 . . . . . 19.95

Mailing List. (1/2) Keep an updated file of names and print labels (with optional printer). 80 names per data file with 16K, 250 names with 32K. 26-1503 . . . . . 19.95

Statistical Analysis. (1/2/3) Analyze data and forecast trends. Includes random sample, histogram, frequency distribution, regression and much more. 26-1705 . . . . . 39.95

Series I Editor/Assembler. (1/2) Includes manual with Z-80 instruction set. Editor features automatic line numbering, single-letter commands, optional parameters, global search. Assembler features single-letter commands. 26-2011 . . . . . 29.95

Assembly Language Lab. (1/2) A self-contained course in Z-80 machine-language programming. Features 27 lessons with examples and exercises. 26-2017 . . . . . 39.95

DEBUG. (1/2) Displays memory in 128 or 256-byte full-screen mode. Displays Z-80 registers. Also allows modifications to RAM and registers. Includes single-step execution of programs and breakpoint interruption of execution. 26-2000 . . . . . 19.95

Tiny Pascal. (2) Great introduction to this structured programming language (fixed-point, non-array version). Includes sample programs to get you started. Model III PASCAL is complete with monitor, compiler and editor. 26-2020 . . . . . 19.95

Minimum System Requirements

1 = 16K Level II 2 = Model III BASIC 3 = 32K 1-Disk 4 = 48K 1-Disk

Cassette software requires a TRS-80 Model 4/III/I computer and a cassette recorder.

VIDEOTEX SOFTWARE AND MODEMS

Access Information by Phone with TRS-80 Videotex Software

CompuServe Information Service

Get "on line" with this exciting information service—and the first hour is free! CompuServe offers local, national and international news (read headlines before they've gone to press!), weather and sports from major newspapers like *The New York Times* and *The Washington Post*, plus the full newswire service of the Associated Press. Get historical information and updates on over 32,000 stocks, bonds and securities. There's also a home and educational reference service, computer games, Radio Shack's own Bulletin for TRS-80 users, and much more. Send and receive "electronic mail", get 16K of RAM workspace and 128K of disk storage for your own use and much more! All this available at CompuServe's low hourly rate (additional charges for some services).

Dow Jones News/Retrieval

A "direct line" to Wall Street—and the first hour is free! Dow Jones News/Retrieval gives you current market quotes (subject only to the mandatory 15-minute delay) on all stocks, bonds and options traded on the major exchanges—plus selected U.S. Treasury issues. Detailed financial statistics compiled by Media General Financial Services are available for all NYSE and AMEX traded companies. There's also "electronic editions" of *The Wall Street Journal*, *Barron's* and the Dow Jones "Broadtape"—as recent as 90 seconds and as far back as 90 days.

Low-Cost Videotex Packages

TRS-80 Videotex software packages allow access to national information networks and data bases using your computer and an optional-extra telephone interface. Simply dial a phone number (usually local), press a few keys and the desired information appears on your screen.

Everything You Need

Each easy-to-use package includes a TRS-80 Videotex software manual, CompuServe manual, ID number and password, and a Dow Jones manual and password. You also get one FREE hour on both the CompuServe and Dow Jones networks! After that, you'll be billed at their low hourly rates.

TRS-80 Color Computer Package.
26-2222 . . . . . 29.95

Universal Sign-Up Kit. No software included. Intended for use with your software or terminal. 26-2224 . . . . . 19.95

Videotex Plus

A powerful and sophisticated communications package for your TRS-80 disk system. Videotex Plus lets you communicate with any computer information service (with the same communications protocol as Videotex), such as CompuServe and Dow Jones New/Retreival. It's simple to use, yet loaded with features to help you minimize connection time. There's even an option that lets you use the auto-dial feature found on many telephone modems, including our Direct-Connect Modem II (26-1173) and the high-speed DC-2212 Modem (26-1176). Videotex Plus also includes on-screen editing for tailoring the auto log-on sequence to your particular needs.

Convenient Features

You can save information to disk for later viewing, editing or transmission. Save money when you reduce connection time by loading into memory what you want to transmit before you log on. Features function keys to define often-used commands and a printer control for hard-copy output to an optional printer.

Modular Format for Custom Applications

Videotex Plus is composed of three major modules: the primary communication program, a specialized program for use with "store and forward" information services (not available for Tandy 2000) and a module that lets you create and edit log-on sequences and save them on diskette for later use with the special automatic log-on procedure.

Model I/III Package. I/III A Requires telephone modem. Includes one free hour on CompuServe and Dow Jones.
26-1588 . . . . . 49.95

Model 4 Package. 4 E Same as above.
26-1598 . . . . . 49.95

Model II/12/16 Package. Same as above.
26-4721 . . . . . 49.95

Tandy 2000 Package. Same as above.
26-5260 . . . . . 49.95

TRS-80 Data Communications Modems

149.95 USE YOUR Radio Shack CITILINE

99.95 USE YOUR Radio Shack CITILINE

199.95 USE YOUR Radio Shack CITILINE

- **300 Baud**
- **Full Duplex**
- **Originate/Answer Modes**

A modem translates the electronic impulses that make up computer information into tones that can be sent over telephone lines. Our modems can be used with any RS-232C-equipped TRS-80. Bell 103 compatible. FCC registered. U.L. listed AC power module.

A **Acoustic Coupler AC-3.** Dial desired number and place handset on interface. Also half duplex. 2 3/8 × 4 3/4 × 10 1/4".
26-1174 . . . . . 149.95

B **Direct-Connect Modem I.** Plugs directly into modular phone outlet. DB25 and 4-pin DIN connectors. 2 × 6 1/2 × 7 1/2".
26-1175 . . . . . 99.95

C **Auto-Answer, Auto-Dial Direct Connect Modem II.** Fully programmable. Automatically dials and answers phone, receives and transmits data, even hangs up phone. Remote and local test modes. Also half duplex. With modular phone plug. 2 × 6 1/2 × 7 1/2".
26-1173 . . . . . 199.95

Price Breakthrough! High-Speed Modem

NEW FOR '85

399.95

AS LOW AS $28 PER MONTH

Automatically Selects 300/1200 Baud Data Rate

DC 2212 Modem. High-speed transmission cuts long-distance costs to save you money! Automatically dials and answers phone, receives and transmits data, hangs up phone. Easy-to-use, menu-driven. Direct-connect, Bell 212A-compatible asynchronous or synchronous operation. Compatible with any RS-232C-equipped computer. FCC registered. U.L. listed. 26-1176 (Avail. 9/30/84) 399.95

RS-232C Selector Switch

149.95 USE YOUR Radio Shack CITILINE

Connect Up to Three RS-232C Devices

SW-303. Connect any three RS-232C devices to your TRS-80 computer. There are two switched ports for modems, digitizers, plotters and more—one configurable port for communication between two computers. U.L. listed AC power module. Cables not included.
26-1499 . . . . . 149.95

Use Modems only with Bell-compatible equipment. Direct-connect modems are not for multi-line use without optional-extra controller.

TRS-80 COLOR GRAPHICS PRINTERS

Revolutionary Color Ink-Jet Printer

TANDY Radio Shack ADVANCED TECHNOLOGY SERIES AND AFFORDABLE TOO

699.00 AS LOW AS $41 PER MONTH

- **High-Resolution, Drop-on-Demand Ink-Jet System**
- **Prints in Seven Vivid Non-Smearing Colors**
- **Incredible, Super-Quiet Operation**

CGP-220. A true price breakthrough in ink jet print technology. Quietly prints text and graphics in yellow, violet, red, green, cyan, magenta and black! Prints 2600 dots/second in graphics mode with a resolution of 560 dots/line (monochrome) and 640 dots/line (multi-color mode). An 80-column text mode gives you 12 cpi at 37 characters per second in a 7 x 5 matrix. A screen print utility for the TRS-80 Color Computer and the Tandy 2000 will allow multi-color printouts of color graphics screens produced from any graphics program.

State-of-the-Art Design. The CGP-220 jets ink only where you specify, mixing colors to produce seven vivid hues. There's no ribbon to wear out or become contaminated, so the print quality remains excellent. Supports elongated character sets, variable pitch, character repetition and special characters. Programmable from BASIC. Parallel and Color Computer-compatible serial interfaces. Uses 8½" paper. 4¼ x 15¾ x 11⅝". U.L. listed.
26-1268 . . . . . 699.00

CGP-220 Supplies

Replacement Ink Packs. Long-life ink packs provide approximately 3-4 million characters per color. Non-smearing.
Black Ink Pack. 26-1281 . . . . . 9.95
Tri-Color Ink Pack. 26-1282 . . . . . 14.95

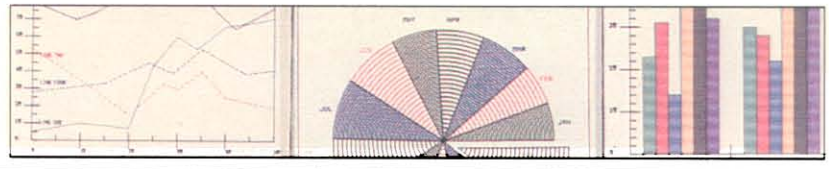
Roll Paper. Recommended for best print quality. 26-1333 . . . . . Pkg. of 3/9.95
8½ x 11" Paper.
26-1341 . . . . . 250 Sheets/6.95

Screen print utility gives spectacular seven-color printouts of TRS-80 Color Computer displays.

Create Superb Graphics With This Four-Color Flatbed Plotter/Printer

995.00 AS LOW AS $56 PER MONTH

FP-215. Turn complicated numerical data into easy-to-understand graphics. Ideal for business information such as financial trends, production data and market forecasts. Produce pie charts, tables, bar graphs and more using simple BASIC ASCII command codes and parameters. Also prints upper/lower-case characters with the BASIC LPRINT and LLIST commands. Performs single pen plotting, and pens can be changed easily to make multi-color plots. Red, blue, green and black pens included (replacements below). Paper size: 8 x 11½" or 10⅛ x 14 15/16". Plot size: 7 5/16 x 10⅝" or 8½ x 11½". Plot speed: 3 15/16 ips. Step size: 1mm. Parallel and Color Computer-compatible serial interfaces. 4⅝ x 16⅛ x 14⅝". U.L. listed.
26-1193 . . . . . 995.00



Plotter Replacement Pens

Hard-Nib Pens for FP-215 (for paper)—$3.95 each			
Color	Cat. No.	Color	Cat. No.
Black	26-1343	Blue	26-1345
Red	26-1344	Green	26-1346

Pens for Multi-Pen Plotter (26-1191)—$3.95 each		
Color	For Paper	For Transparencies
Red	26-1460	26-1470
Blue	26-1461	26-1471
Green	26-1462	26-1472
Violet	26-1463	26-1473
Brown	26-1464	26-1474
Orange	26-1465	26-1475
Black	26-1466	26-1476

Clear Plastic Film. Use with our Multi-Pen Plotter (26-1191) to make transparencies. Fifty 8½ x 11" sheets. 26-1479 . . . 13.95

Compact Color Graphics Printer

199.95 USE YOUR Radio Shack CITILINE

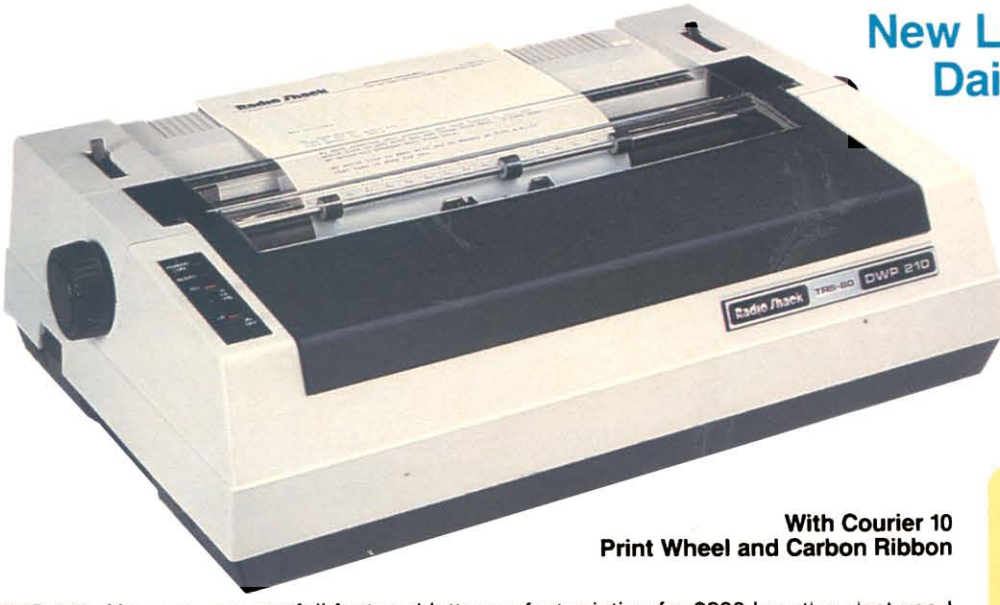
CGP-115. Creates charts and computer-generated "doodles". Built-in commands simplify plotting. Text mode prints 40 or 80 characters per line at 12 cps. Prints in four colors on 4½"-wide paper (pens included). Serial and parallel interfaces. 2 15/16 x 8¼ x 8½". U.L. listed. 26-1192 . . . . 199.95

Black Pens. Set of 3. 26-1480 . . . . . 2.95

Color Pens. One each: red, green, blue.
26-1481 . . . . . 2.95

Roll Paper. 4½" wide. 150-ft. long.
26-1428 . . . . . Pkg. of 3/4.95

LETTER-QUALITY DAISY WHEELS



With Courier 10
Print Wheel and Carbon Ribbon

New Low Price! Low-Cost Daisy Wheel Printer

599.00 AS LOW AS $35 PER MONTH

Was $799 in Cat. RSC-11

- Prints Over 200 Words Per Minute
- Clean, Sharp Characters for That "Electric Typewriter Look"
- Interchangeable 100-Character Print Wheels for a Variety of Styles
- Ideal for Use With SCRIPSIT and SuperSCRIPSIT

DWP-210. Now you can get full-featured letter-perfect printing for $200 less than last year! Select 10 or 12 characters per inch, or proportional pitch. Print wheels simply "drop-in" for easy installation! Prints at 18 cps. Includes forward and reverse paper feed and 1/2-line feed, underline and programmable backspace. Self-test facility lets you see if printer is operating properly before starting. "Paper Empty" sensor stops printer automatically and sounds buzzer when paper runs out. "Ribbon End" feature stops printer when ribbon reaches its end. Automatic impact control prolongs the life of the print wheel. Parallel and Color Computer-compatible serial interfaces. U.L. listed. 26-1257 . . . . . 599.00

SPECIFICATIONS. Print Density: 11 1/2" line. Switch selectable 10 cpi (115 characters per line), 12 cpi (138 cpi), or proportional spacing. **Print Speed:** 18 cps nominal (over 200 wpm). **Carriage Motion:** Bi-directional, optimal motion seeking. Minimum horizontal increment 1/120". Minimum vertical increment 1/48". 1000 ms slew rate. **Character Set:** 100 (modified ASCII, plus special international), 18 control codes. **Paper:** Up to 13" wide. Original, plus 2 copies. Friction feed. **Ribbon:** Multi-strike carbon or nylon cartridge. **Interface:** Color Computer-compatible serial (600/1200 baud) and standard 8-bit data parallel, 36-pin Amphenol connector. **Dimensions:** 6 5/16 x 20 x 13 11/16". **Weight:** 38 lbs. **Power:** 120VAC, 60 Hz, 80 Watts.

Bi-Directional Tractor

119.95

NEW LOW PRICE!

Was $149.95 in Cat. RSC-11

Printer not included

Snap-on DWP-210 tractor feed makes your printer more efficient. Use fanfold paper, pin-fed labels and preprinted multi-part forms. Adjusts to 13". 26-1443 . . . . . 119.95

Our Best, Full-Featured 15" Daisy Wheel Printer for Demanding Office or Professional Use

Includes Courier 10
Print Wheel and
Carbon Ribbon

NEW FOR '85

1495.00 AS LOW AS $84 PER MONTH

- Prints Over 500 Words Per Minute
- Ideal for Use With Our SCRIPSIT or SuperSCRIPSIT Word Processing Programs
- Interchangeable 124-Character Print Wheels
- Selectable Print Densities—10/12 Characters Per Inch or Proportional Spacing

DWP-510. Give your correspondence that clean, crisp "electric typewriter" look with this top-of-the-line formed-character printer. You can print fixed 10 or 12 characters per inch or choose proportional spacing (using appropriate optional print wheels). Prints up to 43 characters per second. Features forward and reverse paper feed and 1/2-line feed, backspace and underline. Interchangeable print wheels snap in easily to give you different type styles. "External Program Mode" allows you to use print wheels with different pitch or special characters. Friction-feed 15" platen can handle paper up to 16" wide and adjusts for up to five carbons. Parallel interface only. U.L. listed. 26-1270 . . . . . 1495.00

SF-510 Dual-Bin Automatic Sheet Feeder. 26-1477 (Avail. 12/30/84) 499.95

SPECIFICATIONS. Print Density: 13.6" line. Switch selectable 10 cpi (136 cpi), 12 cpi (163 cpi), or proportional spacing. **Print Speed:** 43 cps nominal (over 500 wpm). 19.5 ipm at 10 cpi, 132 column. **Carriage Motion:** Unidirectional, optimal motion seeking. 300 ms slew rate. **Character Set:** 124 (96 ASCII, plus special and international), 21 control codes. **Paper:** Up to 16" wide. Original, plus 5 copies. Friction feed. **Ribbon:** Multi-strike carbon cartridge or nylon cartridge. **Interface:** Standard 8-bit data parallel; 36-pin Amphenol connector. **Dimensions:** 8 x 24 1/2 x 15 1/2". **Weight:** 28 lbs. **Power:** 120VAC, 60 Hz, 141 Watts.

Bi-Directional Tractor for DWP-510 and DW II

219.95

NEW LOW PRICE!

Was $239.95 in Cat. RSC-11

Printer not included

Feeds fanfold paper automatically. Keeps pin-fed labels and forms in perfect alignment. Easy installation and removal. Adjusts to 15". 26-1447 . . . . . 219.95

See Page 38 for Our Complete Selection of Daisy Print Wheels

LETTER-QUALITY MATRIX PRINTERS

Introducing Our Fastest Business Printer Ever!

3995.00 Commercial Lease Available for Only $140 Per Month (Plus Applicable Use/Sales Tax)

- **The First True Line Printer Compatible with Microcomputers**
- **Excels in Data Processing and Business Graphics Applications**
- **Incredibly Fast Throughput—Up to 150 Lines Per Minute**
- **Outstanding Print Quality in the Word Processing Mode**
- **Ideal for Any TRS-XENIX Multi-User Office System**
- **Reliable, Heavy-Duty Design**
- **Easy Maintenance—Just Do a Simple Cleaning Every Six Months**

NEW FOR '85

LMP-2150. A high-performance, all-in-one printer for business applications. The patented heavy-duty hammerbank design prints crisp, clear characters one line at a time. Delivers superior quality—even in the data processing mode. The DP mode prints up to 150 lines per minute—that's twice as fast as any of our other printers! The word processing mode prints up to 80 lines per minute and produces overlapping 10 x 12 dot-matrix characters for letter-quality statements and reports. The WP mode is code-compatible with Radio Shack word processing software (as well as other programs) for elongated and bold characters, underlines, super and subscripts. The graphics mode is compatible with standard Radio Shack bit-image codes and allows generation of bar codes, enlarged characters, reverse images and more with the addition of appropriate software. Includes tractor with bottom feed for fanfold paper, labels and forms. Parallel interface. U.L. listed. 26-1272 . . . . . 3995.00

SPECIFICATIONS. Print Density: 10, 12.5 and 16.7 cpi (DP); 10 cpi (WP). **Print Speed:** Standard 10 cpi—150 lpm/132 column (upper case), 120 lpm/132 column (upper/lower case). Correspondence 10 cpi—80 lpm/132 column (upper case), 60 lpm/132 column (upper/lower case). **Character Set:** 94 ASCII, 32 American special, 32 European WP and 30 block graphics. **Font Matrix:** Upper case—6 x 7 (DP), 10 x 9 (WP). Lower case—6 x 9 (DP), 10 x 12 (WP). **Horizontal Dot Resolution:** 60-100 dots/inch, 72 dots/line. **Dot Columns:** 792-1320. **Paper:** Fanfold—up to 16" wide, up to six parts (with or without carbon). Prints original, plus five copies. **Dimensions:** 10½ x 24⅝ x 20¾". **Weight:** 60 lbs. **Power:** 120VAC, 60 Hz.

Add the LMP-2150 Printer Stand

149.95

USE YOUR Radio Shack CITILINE

We recommend using this stand with your LMP-2150 printer for best operating results. See page 41 for complete description of stand.
26-4307 . . . . . 149.95

Deluxe Dot-Matrix Can Print Customized Type Styles

1995.00 Commercial Lease Available for Only $70 Per Month (Plus Applicable Use/Sales Tax)

- **Accepts Downloadable Fonts**
- **Word Processing Print Quality Rivals Daisy Wheel Printers**
- **Prints 160 Characters/Second in DP Mode, 100 cps in WP Mode**
- **Prints 60 Lines Per Minute**

NEW FOR '85

IBM PC Compatible

New! Font Editing Package

- **Design Your Own Font Styles for the DMP-2100P**
- **Includes Nine Starter Fonts**

Use your TRS-80 Model 4, 12, 16 or 2000 to create your own type styles that can be printed with the DMP-2100P. Easy-to-use package includes loading and editing programs, plus utilities to customize your own drivers. Starter fonts include Letter Gothic, Bold PS, Italics PS, Italics Micro, Modern Micro, Cursive Script, Olde English, Games (chessboard and men; card suits), and Shadow (8-pitch block characters).
26-5334 (Avail. 11/15/84) 24.95

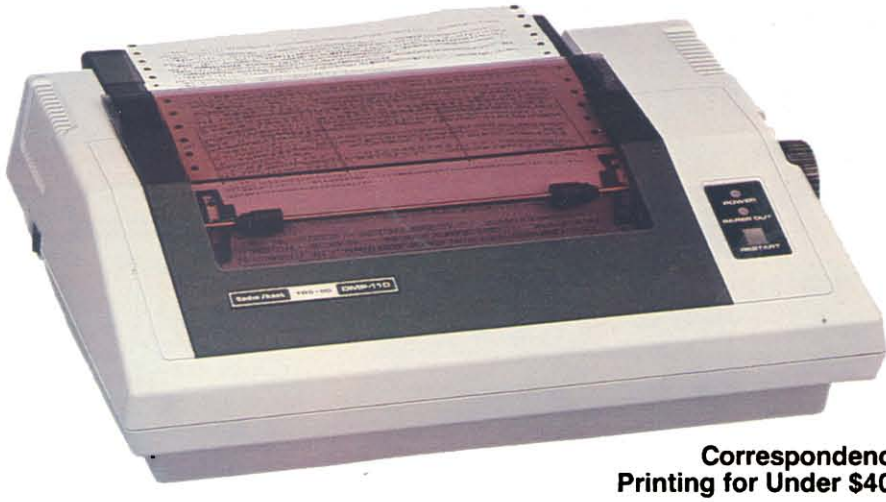
DMP-2100P. Includes a data processing mode for high-speed printouts, a single-pass word processing mode for letter-quality text, and a dot-addressable mode for graphics. Use the Font Editing Package (at left) to download different type styles (holds two at a time). Change pitch and font without stopping the printer. Precision 24-wire print head can produce 32,400 dots per square inch—over four times the finest resolution of our other dot-matrix printers! Parallel interface. U.L. listed. 26-1274 (Avail. 11/15/84). 1995.00

DMP-2100/2100P Automatic Sheet Feeder. 26-1440 . . . . . 995.00

DMP-2100/2100P Bi-Directional Tractor. 26-1441 . . . . . 169.95

SPECIFICATIONS. Print Density: 10, 12 and 16.7 cpi, plus proportionally spaced and elongated. **Print Speed:** Standard 10 cpi—93 lpm/80 column, 60 lpm/132 column. Correspondence 10 cpi—40 lpm/132 column. **Character Set:** 96 ASCII, 31 international and 31 graphics characters. **Font Matrix:** DP mode—10 cpi and 16.7 cpi: 24 x (13 + 5), 12 cpi: 24 x (13 + 2). WP mode—10 cpi: 24 x 36, 12 cpi: 24 x 30. Proportional: 24 x n. **Horizontal Dot Resolution:** 360 dots/inch, 4896 dots/line. **Paper:** Up to 15" wide. Friction feed. Prints original, plus two copies. **Dimensions:** 5⅞ x 21 11/16 x 15". **Weight:** 42 lbs. **Power:** 120VAC, 60 Hz.

AFFORDABLE DOT-MATRIX PRINTERS



Correspondence Printing for Under $400

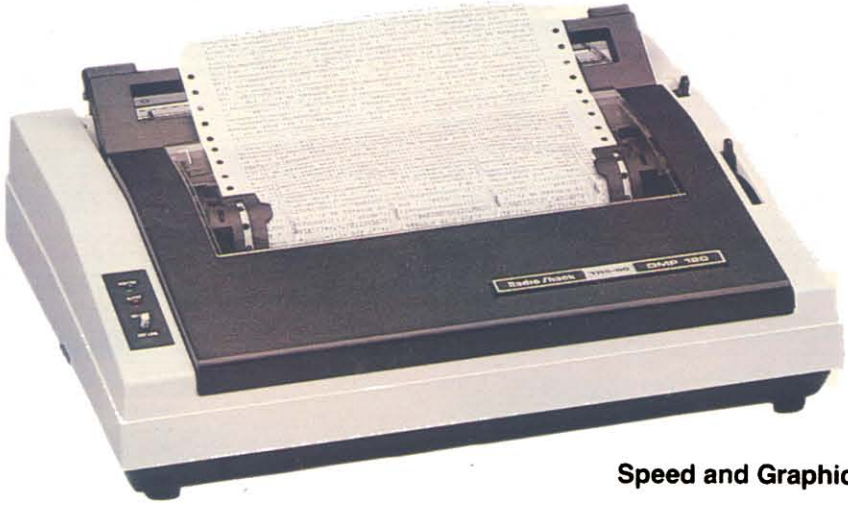
SPECIFICATIONS: Print Density: 10, 12 and 17 standard characters per inch. All fonts can be elongated. WP fonts include 10 and 12 cpi, cursive, microfont, mono-spaced, plus proportional set. **Speed:** 50 cps in DP mode, 25 cps in WP mode. **Character Set:** 96 ASCII. **Bit Image:** 960 dot addressable 16-dot columns. **Dimensions:** $4^{5}/_{16} \times 16^{1}/_{2} \times 12^{7}/_{16}$". **Weight:** 12 lbs. **Power:** 120VAC, 60 Hz, 30W.

Low-Cost, Triple-Mode "Personal Printer"

399.95 AS LOW AS $28 PER MONTH

- **Word Processing, Data Processing and Dot-Addressable Graphics**
- **Includes Cursive and Microfont Styles**

DMP-110. High-performance printing has never been this affordable! WP mode (25 cps) gives you proportionally-spaced or correspondence-quality characters for letters and reports. DP mode (50 cps) prints mono-spaced characters (standard, elite or condensed)—ideal for program listings. You can also get italic, super and subscripts, underline and microfonts. Prints original, plus one copy on 4" to 10" fanfold paper or single sheets. Parallel and Color Computer-compatible serial interfaces. U.L. listed. 26-1271 . . . . . 399.95



Speed and Graphics

SPECIFICATIONS. Print Density: 5, 10, 8.3 or 16.7 characters per inch. **Graphic Density:** 60 × 72 dots per sq. in. **Print Speed:** Standard 10 cpi—120 characters per second, 51 lines per minute. **Character Set:** 96 ASCII, plus international and block graphics characters. **Line Feed:** $^{1}/_{6}$, $^{1}/_{8}$, $^{1}/_{12}$". **Dimensions:** $5 \times 16^{1}/_{2} \times 13^{1}/_{2}$". **Weight:** 16 lbs. **Power:** 120VAC, 60 Hz, 32W.

Affordable, High-Speed Dot-Matrix Printer

499.95 AS LOW AS $30 PER MONTH

- **Prints 120 Characters Per Second**
- **Bi-Directional, Logic-Seeking Head**
- **Bit-Image Mode for Printing Graphics**

DMP-120. Get a throughput speed faster than you thought possible from a printer priced this low! Ideal for data processing and general purpose use. Prints 80 upper and lower case 9 × 9 (9 × 8, plus underline) dot-matrix characters on an 8" line—51 lines per minute at 10 characters per inch. Features underline capability, and elongated and condensed modes. Bit-image mode allows impressive graphics, too! Parallel and Color Computer-compatible serial interfaces. U.L. listed. 26-1255 . . . 499.95

NEW FOR '85

Low-Profile Design

SPECIFICATIONS. Print Density: 10, 12, 16.7, proportional-spaced, elongated and condensed. **Print Speed:** Standard 10 cpi—93 lpm/80 col., 60 lpm/132 col. Correspondence 10 cpi—700+ wpm. **Character Set:** 96 ASCII, plus selectable Tandy standard, 64 special and 30 block graphics characters, or full 128-character Model 2000/IBM set. **Horizontal Dot Resolution:** 60-240 dots/inch, 1584-2640 dot-cols./line. **Dimensions:** $4^{3}/_{4} \times 22^{7}/_{16} \times 13^{3}/_{4}$". **Weight:** $27^{1}/_{2}$ lbs. **Power:** 120VAC, 60 Hz, 100W.

132-Column Printer with 18-Wire Print Head

899.00 AS LOW AS $52 PER MONTH

- **Prints 180 Characters Per Second**
- **Micro, Italic and Double-High Fonts**
- **True Pin-Driven Tractor—Not Sprocket**
- **IBM PC Compatible**

DMP-430. Never before has this much print quality been so affordable! The 18-wire print head gives you superior-quality correspondence fonts in a single pass. Prints 10, 12 or 16.7 cpi, plus elongated standard, elite and condensed. Produces bit-image graphics at 7 or 16-bit columns. Prints original, plus two copies. Parallel and Color Computer-compatible serial interfaces. U.L. listed. 26-1277 (Avail. 11/30/84) 899.00

YOUR BEST VALUE IN TRS-80 PRINTERS

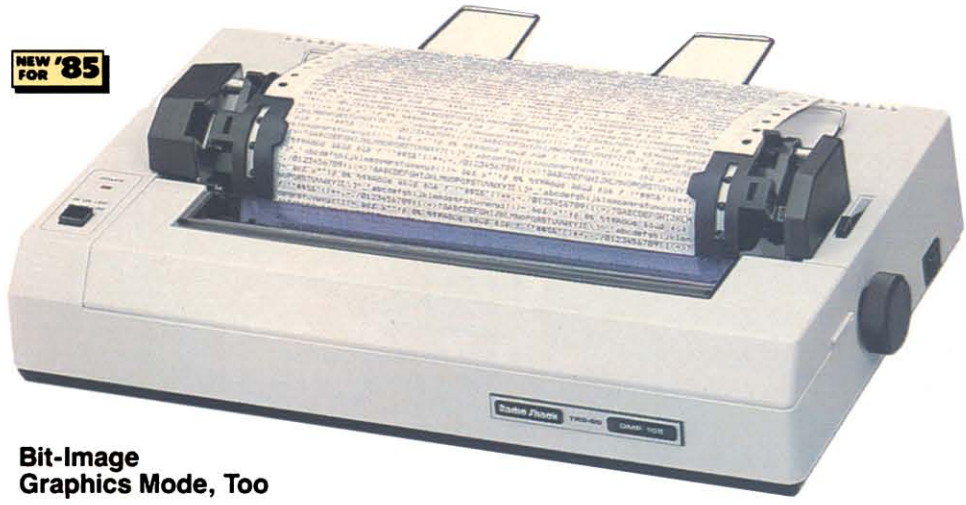
Budget-Priced High-Performer

199.95 USE YOUR Radio Shack CITILINE

- **Prints 80 Characters Per Second**
- **Produces Crisp 8 × 9 Dot-Matrix Characters on an 8" Line**

DMP-105. Another Radio Shack price breakthrough! Ideal for data processing and general-purpose use. Bi-directional—prints 80 upper and lower case characters per line at 43 lines per minute at 10 characters per inch. Elongated and condensed modes. Removable adjustable tractor uses 4" to 9½" fanfold paper, friction platen for single sheets. Prints original, plus one copy. Parallel and Color Computer-compatible serial interfaces. U.L. listed.
26-1276 (Avail. 10/30/84) 199.95

NEW FOR '85



Bit-Image Graphics Mode, Too

SPECIFICATIONS. Print Density: 10, 12, 16.7 cpi, plus elongated. **Print Speed:** 10 cpi—43 lpm/80 col. **Character Set:** 96 ASCII, 64 special and 30 block graphics characters. **Horizontal Dot Resolution:** 480-800 dots per line. **Vertical Spacing:** 12, 6, 8 lines per inch. **Line Feed:** 1/6, 1/8, 1/12, 7/72". **Dimensions:** 3 1/16 × 15 3/8 × 9 7/16". **Weight:** 8 3/4 lbs. **Power:** 120VAC, 60 Hz.

Compact, Portable Thermal Ribbon Printer

299.95 AS LOW AS $27 PER MONTH

- **Use It Anywhere—Works on Batteries or AC Power (with included adapter)**
- **Prints on Plain or Thermal Paper**
- **Fast 50 cps** ▪ **Bit-Image Graphics**
- **IBM PC Compatible**

TRP-100. New printing technology lets you use plain 8½" paper and thermal ribbon for high-contrast characters (uni-directional). Heat from the super-quiet thermal head transfers the image from ribbon to paper. Or use thermal roll paper without the ribbon for direct transfer (bi-directional). For best print quality, use Xerox 4024 or equivalant copier paper. Parallel and Color Computer-compatible serial interfaces. U.L. listed AC operation or five "C" alkaline or nickel cadmium batteries (not included).
26-1275 (Avail. 11/30/84) 299.95

NEW FOR '85

Quiet, Rugged and Versatile

SPECIFICATIONS. Print Density: 5, 10 cpi. **Print Speed:** 10 cpi—uni-directional: 16 lpm/80 col., bi-directional: 28 lpm/80 col. **Character Set:** 96 ASCII, plus selectable Tandy standard, 64 special and 30 block graphics characters or Model 2000/IBM 128-character set. **Horizontal Dot Resolution:** 480-960 dots/line. **Dimensions:** 2 13/16 × 12 × 7". **Weight:** 5½ lbs. **Power:** 5 "C" batteries or 120VAC, 60 Hz.

Low-Cost Thermal Matrix Printer with Graphics

99.95 USE YOUR Radio Shack CITILINE

- **Ideal for the TRS-80 Color Computer**
- **Prints Graphics and Alphanumerics**
- **Whisper Quiet** ▪ **Measures 3 × 8 × 5"**

TP-10. Prints 32 characters per line at 30 characters per second on 4 1/8"-wide thermal paper. Features include elongation mode for expanded print and a special repeat function to make graphics programming easier. Color Computer-compatible serial interface only. U.L. listed.
26-1261 . . . . . 99.95
Paper. 4 1/8"-wide thermal.
26-1332 . . . . . Pkg. of 2/3.95

Amazingly Compact, Yet Extremely Versatile

SPECIFICATIONS. Print Density: 5, 10 cpi. **Print Speed:** 30 cps. **Character Set:** 94 ASCII, 16 graphics. **Line Spacing:** 1/6". **Dimensions:** 3 × 8 × 5". **Weight:** 3 1/4 lbs. **Power:** 120VAC, 60 Hz, 18W.

PRINTER ACCESSORIES AND SUPPLIES

Printer Controller Adds Efficiency

249.95

AS LOW AS $26 PER MONTH

- **Frees Your Computer During Printing**
- **Assumes Control of All Printing Operations**
- **62K RAM Buffer for Text Storage**

PTC-64 Printer Controller. Now you can print one job while working on another! Our PTC-64 "print buffer" accepts and stores information from your computer at top speed and feeds it to your printer as fast as the printer can handle it. This means excellent throughput and no downtime because your computer's memory, processing power and disk drives are free for other tasks. The compact PTC-64 features a Z-80 microprocessor, a clear memory function, a pause function and a copy function for printing up to 100 consecutive originals. There are even 16 redefinable special characters, as well as unique programmable functions that will give you the option of downloading an alternate operating system to generate a new ASCII character set, graphics data and more. Activate functions from the panel keys or through software. Standard parallel printer interface. U.L. listed AC power module. 26-1269 . . . . . 249.95

TRS-80 Replacement Ribbons

Save 25% When You Buy 12 or More of the Same Ribbon

Replacement Printer Ribbons					
Printer	Ribbon	Character Life	Catalog No.	Each 1-11	Each 12-Up
LP I, II, IV	Fabric Pack (3/PK)	1 million	26-1413	15.95	11.95
LP III, V	Fabric Cart.	2 million	26-1414	11.95	8.95
LP VI, VIII, DMP-400, 420	Fabric Cart.	1 million	26-1418	11.95	8.95
LP VII, DMP-100	Re-inking Fabric	1 million	26-1424	8.95	6.70
DMP-110	Re-inking Fabric	1 million	26-1283	7.95	5.95
DMP-500	Fabric Cart.	4 million	26-1482	13.95	10.45
DMP-120, 200	Fabric Cart.	4 million	26-1483	15.95	11.95
DMP-120, 200, 500, 430	Refill Pack (3/PK)	4 million	26-1489	15.95	11.95
DMP-105	Fabric Cart.	1 million	26-1288	7.95	5.95
DMP-430	Fabric Cart.	4 million	26-1296	15.95	11.95
DMP-2100, 2100P	Fabric Cart.	2 million	26-1442	13.95	10.45
LMP-2150	Cartridge	15 million	26-1287	12.95	9.70
TRP-100	Thermal Film	40,000	26-1297	3.95	2.95
TRP-100	Refill Rolls (5/PK)	40,000	26-1298	9.95	7.45
DW II, DWP-410, 510	Carbon Film Cart. Multi-Strike (3/PK)	250,000	26-1419	21.00	15.75
DW II, DWP-410, 510	Nylon Cart.	1 million	26-1449	10.95	8.20
DW II, DWP-410, 510	Multi-Strike Film, Blue	200,000	26-1285	8.95	6.70
DW II, DWP-410, 510	Multi-Strike Film, Brown	200,000	26-1286	8.95	6.70
DWP-210	Carbon Film Cart. Multi-Strike (3/PK)	250,000	26-1445	17.95	13.45
DWP-210	Fabric Cart.	1 million	26-1458	8.95	6.70

Roll Paper for TRS-80 Printers

Printer	Paper	Cat. No.	Quantity/ Price
CGP-115	4½" × 150'	26-1428	3/4.95
CGP-220	8½" × 75'	26-1333	3/9.95
CGP-220	8½ × 11" sheets	26-1341	250/6.95
TP-10	Thermal 4⅛" × 80'	26-1332	2/3.95
PT-210 Terminal	Thermal 8½" × 100'	76-1003	6/24.95
PC-1	1¾" × 18'	26-3506	6/1.75
PC-2	2¼" × 30'	26-3606	6/2.49
PC-3	Thermal 2¼" × 7'	26-3592	5/2.49
PC-4	Thermal 1½" × 8½'	65-711	5/1.99
LP I, II, IV, VIII, DMP-200	8½" × 500'	26-1402	2/19.95
Plotter/Printer (26-1190)	9" × 90', 8½" pin-to-pin	26-1407	4.95
Quick Printer (26-1153)	Electrostatic 4¾" × 130'	26-1405	3/18.95
Quick Printer II (26-1155)	Electrostatic 2⅜" × 75'	26-1412	2/3.95

Printer Select Switch

119.95

SW-302 Parallel Printer Switch. Connect two printers to one computer, or two computers to one printer. Standard parallel interface only. U.L. listed AC power module. Cables not included.
26-1498 . . . . . 119.95

Daisy Printwheel Cleaning Kit

16.95

Clean clogged, recessed type areas. Easy to use and won't make a mess. For DW II, DWP-510, 410 and 210.
26-1320 . . . . . 16.95

Refill Fluid and Pad.
26-1322 . . . . . 5.95

Daisy Wheel Acoustic Cover Reduces Noise

399.00

AS LOW AS $28 PER MONTH

Improves Office Efficiency

Silence distracting printer noise—ideal for office work areas. Lid lifts for easy access to printer. Fits on our TRS-80 printer stands. For DW II and DWP-510 (with or without tractor), DWP-410 and DWP-210 (without tractor). Not for use with sheet or envelope feeders. 14 × 28 × 21½". U.L. listed.
26-1455 . . . . . 399.00

Mobile Printer "Paper Caddy"

79.95

Computer Paper Dolly and Printer Forms Rack

Wheel paper to wherever you need it. Place blank forms on lower shelf; upper shelf catches printed output. Special paper guides assure correct refolding and smooth stacking of printout. 24½ × 18 × 14½".
74-551 . . . 79.95

Daisy Print Wheels

124-character print wheels for our DW II, DWP-410 and DWP-510 printers.

Print Wheel	Cat. No.	Price
Courier, 10 Pitch	26-1430	29.95
Prestige Elite, 12 Pitch	26-1431	29.95
Madeleine PS	26-1432	29.95
Cubic PS	26-1433	29.95
Tile Italic, 10/12 Pitch	26-1434	29.95
OCR B, 10 Pitch*	26-1435	39.95
Letter Gothic, 12 Pitch	26-1436	39.95
Cubic 15 +	26-1438	39.95
Bold PS	26-1439	39.95
Scientific A/N	26-1486	39.95
Pica 10	26-1290	39.95
Narrator	26-1291	39.95
OCR-A*	26-1292	39.95
Elite 12	26-1293	39.95
Scandia Courier 10	26-1294	39.95
Scandia Elite 12	26-1295	39.95

External Program Mode: + Required * Suggested

100-character print wheels for our DWP-210.

Print Wheel	Cat. No.	Price
Courier 10	26-1467	9.95
Prestige Elite 12	26-1468	9.95
Venezia PS	26-1469	9.95

Prices Apply at Radio Shack Computer Centers and Participating Radio Shack Stores and Dealers

CUSTOM FORMS AND PRINTER PAPER

Custom Imprinted Forms and Checks

Form Name	Cross Reference: TRS-80 Mod. No.	Cross Reference: Software Cat. No	Cross Reference: Envelope Cat. No.	No. of Parts	Color	Cat. No.	Quantity/Prices: 500	1,000	2,000
Accounts Receivable Statement	I & III/4	26-1555	72-114 72-214 72-250	1	Blue	72-116	65.00	120.00	220.00
				2	Blue	72-117	100.00	180.00	340.00
				3	Blue	72-118	130.00	230.00	435.00
Accounts Payable Check	I & III/4	26-1554	72-249	1	Blue	72-124	55.00	100.00	195.00
	II & 12	26-4505		2	Blue	72-125	100.00	180.00	340.00
				3	Blue	72-126	120.00	215.00	415.00
Accounts Payable Check	III/4	26-1542	72-145 72-245 72-246	1	Blue	72-141	45.00	80.00	155.00
	II & 12	26-4605		3	Blue	72-142	110.00	200.00	375.00
	16	26-6205							
General Purpose Form	I & III/4	26-1541 26-1568	72-206	1	Blue	72-119	55.00	100.00	195.00
	II & 12	26-4508 26-4504 26-4514 26-4602 26-4802		3	Blue	72-120	110.00	200.00	375.00
	16	26-6302		5	Blue	72-136	160.00	290.00	545.00
	2000	26-5213 26-5217							
Invoice	II & 12	26-4607	72-135 72-235 72-234	3	Blue	72-151	140.00	250.00	475.00
	16	26-6207		5	Blue	72-152	205.00	370.00	700.00
	2000	26-5215							
Multi-Purpose Check	III/4	26-1584	72-145 72-245 72-246	1	Blue	72-153	45.00	80.00	155.00
				2	Blue	72-154	60.00	110.00	210.00
Multi-Purpose Check w/Stub	III/4	26-1585 26-1511	72-145 72-245 72-246	1	Blue	72-158	55.00	100.00	195.00
	2000	26-5212 26-5340		2	Blue	72-159	100.00	180.00	340.00
				3	Blue	72-160	120.00	215.00	415.00
Payroll Check	I & III/4	26-1504 26-1556	72-247	1	Brown	72-105	55.00	100.00	195.00
				2	Brown	72-106	100.00	180.00	340.00
Payroll Check	II & 12	26-4503	72-248	1	Brown	72-137	60.00	110.00	210.00
				2	Brown	72-138	90.00	165.00	310.00
Payroll Check	III & 4	26-1543	72-246	1	Brown	72-143	45.00	80.00	155.00
	II & 12	26-4603		2	Brown	72-144	85.00	150.00	285.00
	16	26-6203							
	2000	26-5218							
Statement Of Account	II & 12	26-4604	72-135 72-235 72-234	1	Blue	72-129	55.00	100.00	195.00
	16	26-6204		3	Blue	72-130	110.00	200.00	375.00

Professional Forms

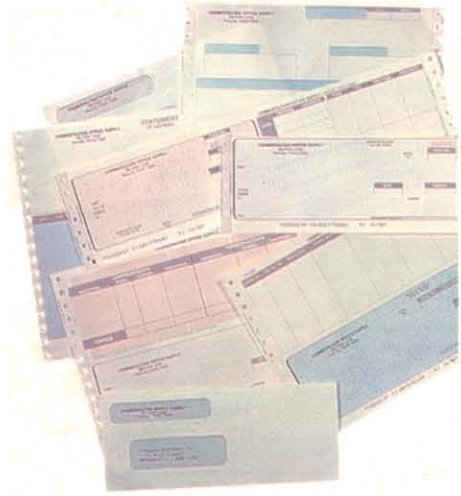
Form Name	Cat. No.	Quantity	Price
Health Insurance Claim (AMA), 2-part, Carbon Interleaf	72-261	1000	55.00
The Precedent Lawyer Timekeeping Slips	72-501	500	44.95
The Precedent Pegboard Portfolio	72-500	1	16.95

Imprinted Envelopes

Form Cross Reference	Inside Tint	No. of Windows	Envelope Size	Catalog No.	Quantity/Prices: 500	1,000	2,000
Accounts Receivable Statement	No	1	#6 3/4	72-114	55.00	100.00	195.00
Statement of Account and Invoice	No	1	#10	72-135	55.00	100.00	195.00
Accts. Payable (72-141/142) & Multi-Purpose Checks	Yes	1	8 5/8	72-145	55.00	100.00	195.00

Blank Envelopes

Form Cross Reference	Size	No. of Windows	Inside Tint	Qty. Per Carton	Catalog Number	Price
Accounts Receivable Statement	3 5/8 x 6 1/2	2	No	1,000	72-250	45.00
	3 5/8 x 6 1/2	1	No	1,000	72-214	35.00
Accounts Payable Check (72-124/125/126)	3 5/8 x 7 3/4	2	Yes	1,000	72-249	55.00
General Purpose Form	3 7/8 x 8 7/8	2	No	1,000	72-206	45.00
Payroll Check for Mod I/III/4	3 5/8 x 7 3/4	2	Yes	1,000	72-247	55.00
Payroll Check for Mod II/12	3 7/8 x 7 1/2	2	Yes	1,000	72-248	50.00
Statement of Account and Invoice	4 1/8 x 9 1/2	2	No	1,000	72-234	45.00
	4 1/8 x 9 1/2	1	No	1,000	72-235	40.00
Accts. Payable (72-141/142) and Multi-Purpose Checks	3 5/8 x 8 5/8	1	Yes	1,000	72-245	40.00
	3 5/8 x 8 5/8	2	Yes	1,000	72-246	50.00



Five Great Benefits of Radio Shack Custom Forms

System Support. Radio Shack provides properly-designed output forms to enable the TRS-80 user to complete a total business computer system, including hardware, software and custom forms.

Proper Design. Our forms are specially designed for use with your TRS-80 software, so you can be sure of compatibility.

Economy. Radio Shack forms are produced in large quantities and sold in small quantities (as few as 500 units), so the tremendous savings are passed on to you.

Quality. All forms are attractively designed and produced to highest printing standards, assuring a positive, "quality" image for your organization.

Convenience. We provide single-source support for the entire TRS-80 business computer system, as well as prompt delivery and resupply. Visit your nearest Radio Shack Computer Center today to place your order!

Stock Up on Fanfold Printer Paper

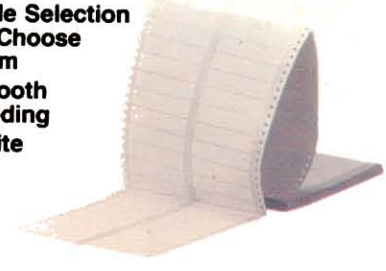
Feed paper directly into the printer from the reusable cartons. Letter-size sheets (9 1/2 x 11") have "invisible" detachable, perforated margins. Single-part sheets are high-quality, 15-pound bond unless a heavier weight is specified. No ground wood or recycled paper. Multi-part sets are clean, carbonless, no-mess paper.

Fanfold Printer Paper

Size	Parts	Design	Vertical Perforation	Quantity	Box	Cat. No.	Price
14 7/8 x 11"	1	Greenbar	No	500 sheets	Mini-Pak	26-1330	11.95
14 7/8 x 11"	1	Greenbar	No	1500 sheets	Tote	72-300	34.95
14 7/8 x 11"	1	Greenbar	No	3500 sheets	Carton	26-1417	69.95
14 7/8 x 11"	1	Blank White	No	1500 sheets	Tote	72-303	34.95
9 1/2 x 11"	1	Greenbar	Yes	1500 sheets	Tote	72-304	24.95
9 1/2 x 11"	1	Greenbar	Yes	3500 sheets	Carton	26-1403	49.95
9 1/2 x 11"	1	Blank White	Yes	500 sheets	Mini-Pak	26-1423	8.95
9 1/2 x 11"	1	Blank 20#	Yes	1250 sheets	Tote	26-1427	24.95
9 1/2 x 11"	1	Blank 20#	Yes	2500 sheets	Carton	72-311	44.95
9 1/2 x 11"	2	Blank White	Yes	750 sets	Tote	72-305	34.95

Fanfold Mailing Labels

- **Wide Selection To Choose From**
- **Smooth Feeding**
- **White**



NEW! 1-Wide. 4 1/4" carrier. Pressure-sensitive. Pkg./5000. 72-402 . . . . . 24.95

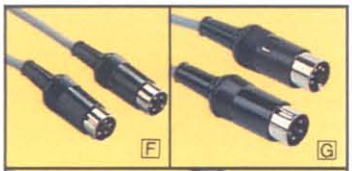
1-Wide. Same as above. Pkg./1000. 26-1328 . . . . . 6.95

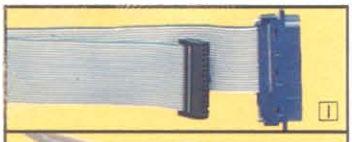
2-Wide. 9 1/2" carrier. Pressure-sensitive. Pkg./2000. 72-401 . . . . . 15.95

3-Wide. 9 1/2" carrier. Pressure-sensitive. Pkg./3000. 72-400 . . . . . 16.95

2-Wide. 9 1/2" carrier. Dry gum. Pkg./2400. 26-1456 . . . . . 9.95

TRS-80® CABLES AND ACCESSORIES





We support the TRS-80 with a complete selection of user-proven cables for almost any application. That makes it easy to choose the right cable for your computer system so you're assured of outstanding performance.

- **Quality Engineered to Perform to Highest Standards**
- **Add Maximum Flexibility And Convenience**

Standard Parallel Printer Cables

Fig.	Use With	Description	Cat. No.	Each
A	Model I/III/4/4P	34-pin edge card to 36-pin plug, 6'	26-1401	39.00
B	Model II/12/16/16B/2000	34-pin header to 36-pin plug, 6'	26-4401	39.00
C	Model II/12/16/16B/2000	34-pin header to 36-pin plug, 12'	26-1323	44.95
D	IBM "PC"	34-pin header to 36-pin plug, 6'	26-1347	39.00

Cassette Recorder Cable

Fig.	Use With	Description	Cat. No.	Each
E	Computers with cassette port	5-pin DIN to Audio (3 plugs)	26-1207	5.95

Color Computer/MC-10 Interface Cables

Fig.	Function	Description	Cat. No.	Each
F	To serial printers and modems	4-pin DIN to 4-pin DIN	26-3020	4.95
G	To Quick Printer II and Model I special serial interface	5-pin DIN to 4-pin DIN	26-3009	4.95
H	To RS-232 ports	4-pin DIN to DB25	26-3014	19.95

Model 100 Interface Cables

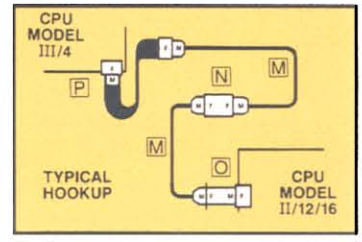
Fig.	Function	Description	Cat. No.	Each
I	To parallel printer	34-pin header to 36-pin plug	26-1409	14.95
J	Direct connect modem to modular phone jack	Includes free hour on both CompuServe and Dow Jones News/Retrieval Networks	26-1410	19.95

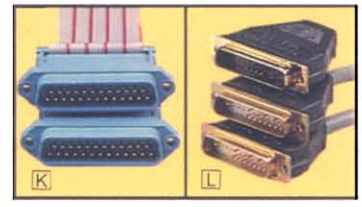
Universal RS-232C Accessories

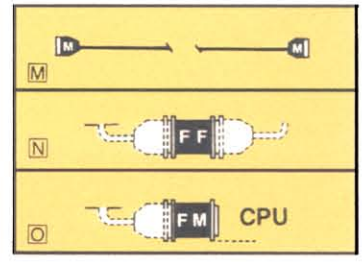
Industry-standard accessories for serial communications. Compact, round cables with molded plugs are quality-crafted for reliability. Pins 1-8, 15, 17, 20, 24 extended.

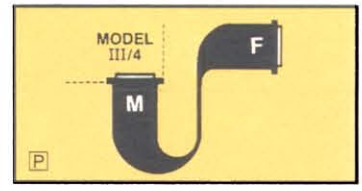
RS-232C Cables

Fig.	Function	Description	Cat. No.	Each
K	Model III/4/12/16B/2000 Serial Interface	Male DB25 to DB25, 5-ft. Ribbon	26-1408	19.95
L	For Model II/16	Male DB25 to DB25 5-foot round cable with terminator	26-4403	39.95
M	For Model 12/16B/2000 or with 26-1497	10-foot round cable 25-foot round cable 50-foot round cable 100-foot round cable	26-1490 26-1491 26-1492 26-1493	29.95 39.95 54.95 89.95
N	Joins cables together for longer runs	RS-232C Cable Connector	26-1495	29.95
O	Allows two CPUs to communicate directly through "modem" software	Null Modem Adapter	26-1496	29.95
P	Allows use of round RS-232C cables with Model III/4	8-inch flat extender	26-1497	17.95

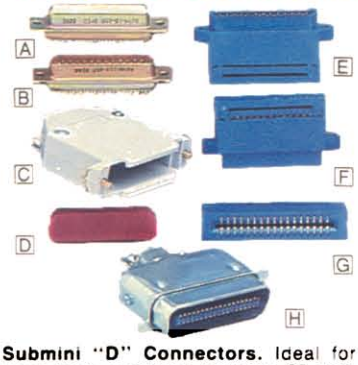








Peripheral Connectors



Submini "D" Connectors. Ideal for computer-to-peripheral hookups. 25 positions. Solder-type.

A **Female.** 276-1548 ..... 3.99

B **Male.** 276-1547 ..... 2.99

C **Hood.** 276-1549 ..... 1.99

D **D-Submini 25 Dustcaps.** Protects connectors and equipment from moisture and dust contamination. One male, one female. 276-1546 ..... Set 39¢

E **D-Submini 25 Male.** For ribbon cable. Reusable. 276-1559 ..... 4.99

F **D-Submini 25 Female.** Ideal for cable extensions. 276-1565 ..... 4.99

G **Card Edge Connector.** 34 positions, solderless. Dual row contacts, .100" centers. 276-1564 ..... 4.95

H **Parallel Printer Connector.** Solder-type, 36 position. Shielded metal construction. 276-1534 ..... 6.99

Automatic Power Strip

69.95

SW-301. Activates up to five peripherals when you turn on your Model II, III, 4, 12, 16B or 2000. Features 2-stage surge protection. U.L. listed.
26-1429 ..... 69.95

Protective Dust Covers

Computer	Cat. No.	RSC-11 Price	New Low Price
Model 12/16	26-526	9.95	7.95
Model III/4	26-506	7.95	5.95
CC 2	26-532	4.95	3.95

Printer	Cat. No.	RSC-11 Price	New Low Price
DMP-105	26-530	— —	3.95
DMP-120/200	26-522	5.95	3.95
DMP-430	26-535	— —	4.95
DMP-2100	26-525	5.95	4.95
DW II & DWP-510	26-508	— —	5.95
DWP-210	26-527	5.95	4.95
CGP-220	26-533	— —	4.95
TP-10	26-531	4.95	3.95

Peripheral	Cat. No.	RSC-11 Price	New Low Price
CCR-81	26-517	4.95	2.95
Ext. Drives	26-502	— —	2/5.95

Power Line Filter

49.95 **Protect Your Computer**

Our Power Line Filter limits AC power line interference to the TRS-80 Model I and the TRS-80 Color Computer. Single switch will control eight outlets. Effective dual-section design. U.L. listed.
26-1451 ..... 49.95

Reduce Static With These Accessories

Anti-Static Mat

NEW FOR '85

89.95

Chair not included

Drains static charges that can damage your computer. Includes carpet anchors and grounding cable. Vinyl. 45 x 53" overall. 26-1351 .... 89.95

Anti-Static Spray

5.95

Use on Equipment, Screen or Carpet

Helps reduce and eliminate problem-causing static. Long lasting. Safe.
26-515, 5.95

COMPUTER SYSTEM FURNITURE

Computer and manual not included

Terminal Stand

189.95

Computer, manual and drawer not included

System Desk

279.95

Printer Stand

149.95

Printer not included

Deluxe Terminal Stand. Perfect for the Model II, 12 or 16 computer. Rolls to where it's needed. Features locking casters. Large 30 x 30" top is adjustable at 26", 27" or 28" heights. Easy to assemble.
26-4306 . . . . . 189.95

Deluxe Workstation. Plenty of convenient working space, with wiring cutouts in top. Heavy-duty construction. Easy to assemble. 27 x 48 x 30". 26-4303 . . . . . 279.95

Desk Drawer. Mounts on left or right. 12¾ x 18½ x 20¼". 26-4304 . . . . 129.95

Printer Stand. Slotted top for bottom paper feed. Includes wire basket. Easy assembly. 27 x 24 x 19". 26-4307 . . . . . 149.95

Locking Casters. Fits Printer Stands 26-4307 (above) and 26-1357 (below).
26-1319 . . . . . Set of 4/19.95

Modular System Furniture for Your Home or Office Workstation

A **System Desk.** Attractive and functional design in beautiful simulated oak finish. Each furniture piece makes a handsome addition to home or office. Twin cable management slots for easy connections. Adjustable glides. 27 x 49¾ x 29⅜". 26-1356 . . . . . 119.95

B **Storage Hutch.** Mounts on system desk. Ideal for software binders and accessories. Assembles with adjustable "second shelf" on either side. 26-1359 . . . . . 59.95

C **Corner Section.** The finishing touch— puts it all together! Connects system desk and printer stand for a convenient "work corner." Mounts on right or left side of desk. Adds approximately 4 square feet of working surface.
26-1358 . . . . . 39.95

D **Printer Stand.** Large enough to accommodate wide-bed printers. Includes bottom-feed paper slot, unique swing-down paper catch for printed output and paper storage shelf. Adjustable glides. 27 x 28½ x 19½".
26-1357 . . . . . 99.95

- **Modern Simulated Oak Finish**
- **Beautiful, Spacious Matching Design**
- **All System Components Easy to Assemble**

NEW FOR '85

Complete Workstation

319.80

Computer, printer and accessories not included

Computer Table

79.95

Small enough to let you set up your system nearly anywhere. Large enough for the TRS-80 Color Computer or even the Model 4 or III. Easy to assemble. 27 x 48 x 24".
26-1324 . . . . . 79.95

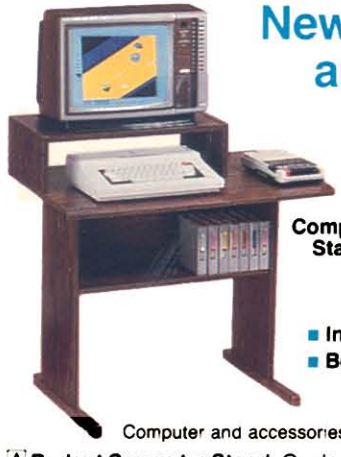
Printer and Monitor Platform

29.95

Printer and paper not included

Accomodates standard computer monitor or narrow-bed printer (DMP-105, 110, 120 or 200, Line Printer VII or VIII). Top measures 16¾ x 13¾", with 5" clearance for printer paper. 26-1360 . . . . . 29.95

New! Budget Computer and Printer Stands



Computer Stand

NEW FOR '85

49.95 Each

B Printer Stand

- **Inexpensive and Functional**
- **Beautiful Simulated Hickory Finish**

Computer and accessories not included

Printer and paper not included

A **Budget Computer Stand.** Our lowest-priced computer desk. Ideal for any home computer system. Includes raised platform for your monitor or printer, plus a storage shelf for disk drives, software and accessories. Easy to assemble. 26 x 32 x 19¾".
26-1354 . . . . . 49.95

B **Budget Printer Stand.** Matches either Computer Stand (26-1354) or Computer Table (26-1324). Large enough to accommodate wide-bed printers. Includes bottom-feed paper slot and paper storage shelf. Easy to assemble. Adjustable glides. 26 x 26⅞ x 19¾".
26-1355 . . . . . 49.95

TRS-80® COMPUTER ACCESSORIES

NEW FOR '85

Computer Cassette Recorders for Loading and Saving Programs

CCR-81 Recorder A **59.95**

CCR-82 Recorder B **49.95**

- **TRS-80 Computer Starts and Stops Recorder Automatically**
- **Built-In Automatic Level Control for Best Recording Possible**
- **Cue/Review Function and Digital Tape Counter for Easy Indexing**

A **CCR-81.** Ideal for loading and saving your own programs and data on cassette tapes or using our ready-to-run cassette software. Battery/Record LED indicator. 10 1/2 x 5 3/4 x 1 13/16". Includes cable. U.L. listed AC operation or four "C" batteries (not included). 26-1208 . . . . . 59.95

B **CCR-82.** Our most compact, lowest-priced CCR! Features volume control with preset marker. You can also monitor sound while saving programs and data. Tape counter matches CCR-81 to permit interchange of tapes. 7 1/8 x 4 11/16 x 1 5/16". Includes cable. Requires four "AA" batteries or AC adapter (not included). 26-1209 . . . . . 49.95

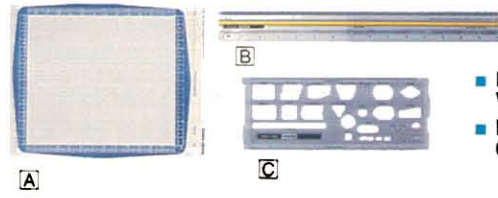
Stock Up on High-Quality Computer Cassettes

- **Ideal for Program/Data Storage**
- **Certified Free of Defects**
- **Each Cassette Includes a Hinged Plastic Storage Box for Protection**

Deluxe C-20 Cassette Tape. "Reel-to-reel" design in a clear shell. 26-308 . . . . . 3.79
C-20 Tape. 26-301 . . . . . 2.79
C-10 Tape. 26-302 . . . . . 1.89

Quantity	Deluxe C-20 (Each)	C-20 (Each)	C-10 (Each)
1-11	3.79	2.79	1.89
12-23	3.39	2.49	1.69
24-47	2.99	2.19	1.49
48-Up	2.69	1.99	1.39

Three Helpful TRS-80 Programming Aids



- **For Professional Worksheets**
- **Draw Legible Flow Charts**

A **Model I/III Graphics Worksheets.** 26-2105 . . . . . 100 Sheets/4.95
B **Printview Ruler.** 26-1313 . . . . . 3.50
C **Flowchart Template.** 26-1312 . . . . . 3.95

Model III/4/4P Disk Drive Analyzer Diskette

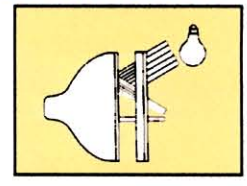
Quickly Displays Results on Screen

NEW FOR '85 **29.95**

Pre-programmed diskette automatically analyzes disk drive radial alignment, rotational speed, clamping ability and write/read accuracy in less than two minutes. Indicates whether drive passes or fails each test. Includes complete instructions. 26-413 . . . . . 29.95

Deluxe Anti-Glare Panel Reduces Reflections

49.95



Our best! Special optically-coated panel cuts screen glare by 94%. Maximizes contrast and readability. Self-adhesive mounting.
Model I/II/III/4/16. 26-1457 . . . . . 49.95
Model 12/16B. 26-1326 . . . . . 49.95

Universal Disk Drive Head Cleaning Kits

NEW LOW PRICE! **14.95** Each — Was $29.95 in Cat. RSC-11

Cleans drive heads safely and easily. Just apply special solution to cleaning diskette and run in drive for 30 seconds. With cleaning diskette, solution and instructions.
5 1/4" Drive Kit. 26-408 . . . . . 14.95
8" Drive Kit. 26-4957 . . . . . 14.95

Anti-Glare Mask Helps Prevent Eye Strain

16.95 **Low-Cost Way to Cut Glare and Reflections**

Nylon mesh screen reduces surface reflections, cuts overhead glare and improves contrast without loss of monitor resolution. Installs in seconds on Model I/II/III/4/12/16 computers. 26-511 . . . . . 16.95

Adjustable Typing Easel

17.95 **Keeps Pages in Place**

An Added Convenience for Any Workstation

Adjustable T-bar (8 3/4" to 13 7/8") and friction pads keep books or manuals open and in place. Cushioned base prevents slippage and protects furniture. Folding legs for compact storage. 73-2003 . . . . . 17.95

Keyboard Cover

NEW FOR '85 **12.95**

Protects your Model III or 4 keyboard from dust and dirt when not in use. 26-1342 . . . . . 12.95

Screen Cleaner

6.95

Helps prevent dirt and dust build up. Includes 50 pre-wet wipes and lint-free cloth.
26-1318 . . . . 6.95

DISKETTES AND MEDIA STORAGE

Single-Sided Unformatted Disks

5¼" Single-Sided

Low As **3.80** Each In Box of 10

- For Model I, III, 4, 4P and Color Computer
- Double-Density
- 40-Track ■ Soft-Sector

Single Disk.
26-305 . . . . . 4.95

New Low Price! Package of 3. Was $13.95 in RSC-11.
26-405 . . . . . 12.95

New Low Price! Package of 10. Was $39.95 in RSC-11. 26-406 . . . . 37.95

New Low Prices! Buy in 10-Pack quantities and save even more!

Quantity (10-Packs)	Price in RSC-11	New Low Price (Per 10-Pack)
1-4	39.95	37.95
5-9	34.95	33.95
10-Up	33.95	31.95

8" Single-Sided

Low As **4.50** Each In Box of 10

- For Model II Computers
- Double-Density
- 77-Track ■ Soft-Sector

New Low Price! Package of 3. Was $19.95 in RSC-11.
26-4904 . . . . . 15.95

New Low Price! Package of 10. Was $59.95 in RSC-11. 26-4906 . . . 44.95

New Low Prices! Buy in 10-Pack quantities and save even more!

Quantity (10-Packs)	Price in RSC-11	New Low Price (Per 10-Pack)
1-4	59.95	44.95
5-9	53.95	39.95
10-Up	49.95	37.95

Double-Sided Unformatted Disks

5¼" Double-Sided

Low As **4.50** Each In Box of 10

NEW FOR '85

- For IBM Personal Computer
- 40-Track ■ Soft-Sector
- Double-Density

Package of 3.
26-411 . . . . . 15.95

Package of 10.
26-412 . . . . . 44.95

Buy in 10-Pack quantities and save!

Quantity (10-Packs)	Per 10-Pack
1-4	44.95
5-9	39.95
10-Up	37.95

5¼" Double-Sided

Low As **7.00** Each In Box of 10

- For Tandy Model 2000 Personal Computers
- 80-Track ■ Soft-Sector
- Double-Density

Package of 3.
26-409 . . . . . 24.95

New Low Price! Package of 10. Was $79.95 in RSC-11. 26-410 . . . . 69.95

New Low Prices! Buy in 10-Pack quantities and save even more!

Quantity (10-Packs)	Price in RSC-11	New Low Price (Per 10-Pack)
1-4	79.95	69.95
5-9	69.95	62.95
10-Up	66.95	59.95

8" Double-Sided

Low As **5.00** Each In Box of 10

- For Model 12 and 16B
- 77-Track ■ Soft-Sector
- Double-Density

New Low Price! Package of 3. Was $24.95 in RSC-11. 26-4961 . . . 19.95

New Low Price! Package of 10. Was $69.95 in RSC-11. 26-4960 . . . 49.95

New Low Prices! Buy in 10-Pack quantities and save even more!

Quantity (10-Packs)	Price in RSC-11	New Low Price (Per 10-Pack)
1-4	69.95	49.95
5-9	63.95	44.95
10-Up	59.95	41.95

Locking Diskette Storage Boxes

NEW FOR '85

Low As **24.95**

Each box holds 50 disks. Features hinged lid with lock and four dividers with labels.

For 8" Disks. Avail. 10/30/84.
26-4958 . . . . . 29.95

For 5¼" Disks. 26-1353 . . . . . 24.95

Diskette Library Boxes

Low As **2.95**

NEW FOR '85

A **8" Library.** Holds ten.
26-4952 . . . . . 5.95

B **5¼" Library.** Holds ten. 26-1452 . . . . . 4.95

C **NEW! 5¼" Travel Tote.** Holds five diskettes.
26-1348 . . . . . 2.95

Locking Disk File Boxes

Low As **49.95**

Organize your floppy diskettes, plus insure safety of data. High-capacity file box holds 90 diskettes. Includes 9 snap-lock dividers and smoke-color covers.

For 8" Diskettes.
73-2006 . . . . . 59.95

For 5¼" Diskettes.
73-2005 . . . . . 49.95

Protect Your Diskettes With Disk Envelopes

Disk not included

A **Universal Data Binder.** 3-ring for disk envelopes. 26-1310 . . . . . 5.95

B **5¼" Disk Envelopes.** Holds 2. Package of 10. 26-510 . . . . . 7.95

C **8" Disk Envelopes.** Holds 1. Package of 10. 26-4907 . . . . . 7.95

Replacement Labels

- Non-Smearing
- Conveniently Color-Coded

Just peel-and-stick to label your diskettes for easy filing.

5¼". 26-307 . . . . . Pkg. of 54/1.95

8". 26-4955 . . . . . Pkg. of 54/1.95

Hanging Binders

Store and protect your printed reports. Pressboard binders with steel wire posts.

14⅞ x 11".
26-1339 . . . . 7.95

9½ x 11".
26-1340 . . . . 7.95

Deluxe 5¼" Diskette Tote

NEW FOR '85

19.95

Take disks anywhere! Easel back for desk use. Rigid anti-static vinyl sleeves. Protects 10 diskettes.
26-1349 . . . . . 19.95

COMPUTER REFERENCE BOOKS

Model I/III/4

Model I Level II Manual.
26-2102 . . . . . 5.95

Model I TRSDOS Manual.
26-2104 . . . . . 5.95

Getting Started with TRS-80 BASIC. Entertaining introduction to Level II and Model III BASIC programming. Excellent for beginners. Sample programs and exercises. 342 pages.
26-2107 . . . . . 6.95

Model III Disk System Owner's Manual. Covers disk operation, TRSDOS and disk BASIC. With helpful programming examples. 161 pages.
26-2111 . . . . . 6.95

Model III/4 Owner's Manual. Provides detailed information on Model III and Model 4 operation, including BASIC language. 259 pages.
26-2112 . . . . . 5.95

Model 4/4P Disk System Owner's Manual. Covers initial setup, BASIC and applications programs. Also includes documentation for TRSDOS Version 6 commands.
26-2117 . . . . . 17.95

Model 4 Technical Reference Manual. Provides technical information and theory of operation on Model 4 hardware. Includes vital information for the assembly language software developer or user, including SVC calls, file formats and much more.
26-2110 . . . . . 24.95

Computer Programming in BASIC for Everyone. Easy-to-understand introduction to writing programs. 156 pages.
62-2015 . . . . . 2.95

Basic Computer Language. Self-paced format for Level I BASIC. 232 pages.
62-2016 . . . . . 5.95

Level II BASIC. Informative self-instruction course with lots of examples. 351 pages.
62-2061 . . . . . 9.95

Home Computer Programs. Packed with helpful household programs. 330 pages.
62-2069 . . . . . 7.95

More TRS-80 Assembly Language Programming. Techniques and projects. Z-80 instruction set and codes. 430 pages.
62-2075 . . . . . 5.95

Introduction to TRS-80 Level II BASIC. Features sequential introduction of new concepts, with exercises at the end of each chapter.
26-2116 . . . . . 9.95

Color Computer

Getting Started With Color BASIC. Learn to write Color BASIC programs with graphics and sound effects. Over 300 pages of instructions written for the beginner.
26-3191 . . . . . 5.95

Going Ahead With Extended Color BASIC. Describes features of Extended Color BASIC, including advanced graphics, complex sounds and more. Over 210 pages of instructions. 26-3192 . . . . . 5.95

Color Computer Technical Reference Manual. For the "technical-minded". Explains how the Color Computer works—including input/output, joystick ports and more. 26-3193 . . . . . 14.95

Color Computer Quick Reference Guide. Features functions, ROM subroutines, handy index and more. 26-3194 . . . 4.95

NEW! TRS-80 Color Computer & MC-10 Programs. Features 40 programs: games, quizzes, drills, calculators and more.
26-3195 . . . . . 5.95

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Color Computer Graphics. Extensive guide to creating superb color graphics. 256 pages. 62-2076 . . . . . 5.95

Color Computer Assembly Language Programming. Comprehensive guide to 6809 instruction, including set and registers, condition codes, addressing and branching, subroutines sound, and more. 256 pages. 62-2077 . . . . . 6.95

Color Computer Programs. Over 37 useful and fun programs to key into your computer. 334 pages. 62-2313 . . . . . 9.95

Portable Computers

New! Model 100 Technical Reference Manual. Theory of operation on Model 100 hardware. 26-3810 . . . . . 9.95

NEW! The TRS-80 Model 100 Portable Computer. A complete step-by-step learner's manual. Discusses the capabilities of the Model 100, plus a complete course in Model 100 BASIC. 26-3819 . . . . . 14.95

NEW! Portable Computing With the Model 100. Emphasizes practical applications of Model 100. Includes cassette tape with 12 programs. 26-3820 . . . . . 14.95

Getting Started on the PC-2. Covers commands and programming tips for the PC-2 and the Printer/Plotter/Interface.
26-3620 . . . . . 12.95

Model 12/16

Model 12 Manuals. 26-4922 . . . . . 69.00

Introduction to Computers.
26-4940 . . . . . 9.95

Model 16 Manuals. 26-6041 . . . . . 85.00

Source Books

TRS-80 Agricultural Sourcebook. A complete listing of agricultural programs. Covers specific applications and user levels.
26-7774 . . . . . 2.95

NEW! TRS-80 Applications Software Sourcebook. Includes over 5300 ready-to-run programs of all types for sale by a variety of vendors.
26-2114 . . . . . 6.99

Microcomputer News

TRS-80 Microcomputer Newsletter Reprints. The first 20 issues in one volume.
26-2115 . . . . . 4.95

New Low Price! TRS-80 Microcomputer Newsletter Reprints. January thru December, 1981 bound in one volume. Was $9.95 in Cat. RSC-11.
26-2240 . . . . . 6.95

New Low Price! TRS-80 Microcomputer Newsletter Reprints. January thru December, 1982 bound in one volume. Was $12.95 in Cat. RSC-11.
26-2241 . . . . . 9.95

Tandy 2000

Tandy 2000 Programmer's Reference Manual. Information for assembly language programmers, including entry conditions for MS-DOS.
26-5403 . . . . . 19.95

Tandy 2000 Hardware Reference Manual. Schematics and theory of operation for trouble-shooting, designing interfaces, more.
26-5404 . . . . . 19.95

Reference Manuals

VisiCalc® Applications. Learn how to utilize this versatile forecasting tool. 184 pages.
62-1051 . . . . . 12.95

Power of Multiplan™. Get the most out of this "second generation" spreadsheet analysis program. 184 pages.
62-1052 . . . . . 12.95

TRS-80 Pocket Reference Handbook. Comprehensive guide to all TRS-80s. 228 pages.
62-2084 . . . . . 6.95

Prices Apply at Radio Shack Computer Centers and Participating Radio Shack Stores and Dealers

RADIO SHACK'S EDUCATION DIVISION

Our Commitment to Education. Radio Shack's TRS-80 microcomputer is a valuable teaching tool in use in schools nationwide. That's why we support a continuing effort to produce instructionally sound and properly validated courseware. In addition, we offer free computer training classes to teachers and school administrators.

What Makes Courseware Unique? A computer is useless without a program—a special set of instructions in computer language that tells the computer how to solve a problem. But for education, a computer program must also implement an acceptable instructional strategy. That's why Radio Shack has involved the experts—teachers, curriculum developers and administrators—in designing and field-testing our complete line of TRS-80 courseware offerings.

A Wide Selection of Programs. We invite you to compare our courseware with other programs currently available. You'll discover what a difference quality TRS-80 courseware can make. Our Regional Educational Coordinators are ready to help you decide how our TRS-80 microcomputers and courseware can best suit your needs.

Computer Assisted Instruction

Computer Assisted Instruction techniques center on individualized learning where the computer generates and presents student exercises in a specific subject area. CAI programs involve students interactively with the computer.

K-8 Math Series

Ideal for use as a supplement to regular classroom instruction in Kindergarten through 8th grades. This series was designed by professional educators, and has been extensively field-tested in the classroom. Immediate feedback is given for correct and incorrect answers. Each program includes lesson summaries and K-8 Math Cross-Reference.

K-8 Math Program, Vol. I. I/III *† (A/G) Randomly generates skill building drills in number concepts, addition, subtraction, multiplication and division. Features student placement, skill building and test modes, plus automatic promotion and demotion.
26-1715 ..... 199.00

K-8 Math with Student Management, Vol. I. I/III* (A) The original K-8 Math Program with added student management features. Monitors promotions and demotions, and allows for teacher review of scores. Starts each student in the appropriate lesson each session. Printer optional.
26-1725 ..... 199.00

K-8 Math Worksheet Generator. I/III (A) Generates worksheets and answer sheets from K-8 Math lessons. Teacher can print multiple copies of identical worksheets or worksheets with different problems at the same difficulty level. Worksheets can be saved on disk for later use or editing. Line printer required. 26-2162 ..... 99.95

K-8 Math Cross-Reference. Correlates individual K-8 Math lessons with specific chapters and pages in six major math basals. 26-2750 ..... 4.95

NEW! Color Math. CC † (A/G) Automatically places students in the lessons that correspond to their skill levels, followed by progress reports and testing. For grades 1 thru 8. 26-3202 ..... 39.95

Secondary Math and Science Programs

Essential Math Program. I/III *† (A/G) Skill-building drills for grades 7-12. Reinforces math concepts introduced by the teacher. Gives immediate feedback for correct and incorrect answers. Includes placement mode, as well as promotion and demotion.

Vol. I. Covers addition, subtraction, multiplication, division and number concepts.
26-1716 ..... 199.00

Vol. II. Covers fractions, decimals, percents and pre-algebra concepts.
26-1719 ..... 199.00

Euclid Geometry Tutor. I/III *† (A/G) Allows students to practice constructing proofs using nine basic postulates of Euclidean geometry. Developed by a high school geometry teacher and tested extensively in the classroom. Program works out a proof automatically, and guides and tests construction of student's proofs. Teacher's manual includes numerous exercises in Euclidean geometry.
26-1724 ..... 39.95

Advanced Graphics. I/III *† (A/G) Investigations in analyzing equations and plotting their respective graphs through demonstrations of plotting functions and plotting polar and parametric equations.
26-1714 ..... 39.95

Interpreting Graphs in Physics: Position and Velocity Versus Time. I/III *† (A/G) Poses graph-related questions or simulations relating to rectilinear motion including position, speed, displacement and acceleration concepts.
26-1721 ..... 39.95

Vector Addition. I/III *† (A/G) Plots components and sums of student-provided vectors. 26-1720 ..... 39.95

Vector Addition for the Color Computer. CC † (A/I) 26-2638 ..... 39.95

Graphical Analysis of Experimental Data. I/III *† (A/G) Plots and analyzes data pairs input by student.
26-1722 ..... 39.95

Investigations in Integral Calculus. I/III *† (A/G) Explores fundamentals through 14 investigations. Graphs and computes areas of functions. 26-2600 ..... 39.95

Investigations in Integral Calculus for the Color Computer. CC † (A/I)
26-2641 ..... 39.95

Plane Analytic Geometry. I/III *† (A/G) Generates problems with emphasis on straight lines and conic sections.
26-2602 ..... 39.95

Number Theory. I/III *† (A/G) Definitions, examples, and exercises on constructive or computational aspects of number theory concepts.
26-2613 ..... 69.95

Matrices, Determinants, and Simultaneous Equations. I/III *† (A/G) Generates problems related to simple matrix algebra.
26-2620 ..... 49.95

Quadratic Equations. I/III *† (A/G) Practice in coefficient and equation recognition, discriminant evaluation, type of roots, more. 26-2623 ..... 49.95

TRS-80 Chemistry Lab. Six laboratory experiment simulations on Kinetic Theory, Charles' Law, Boyle's Law, Titration, Conductivity and Solubility. Students control variables in experiments in order to see changing results. Each package includes an instructor's manual and 25 student experiment books.

Vol. I. I/III *† (A/G) 26-2609 ... 199.00

Vol. I. CC † (H) 26-2626 ..... 199.00

Additional Student Experiment Book. For use with 26-2609 and 26-2626.
26-2666 ..... 3.00

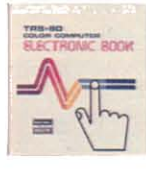
The Solar System: Featuring the Discovery of the Planet Pluto. CC (G) For upper-elementary and secondary students. Facts are presented about the planets and how they were discovered. *Out of the Darkness: The Planet Pluto*, is included. 26-2647 ..... 59.95

Minimum System Requirements

I — Model I
III — Model III
CC — Color Computer

(A) 32K With One Drive
(C) 48K With One Drive
(E) 64K With One Drive
(G) 16K With Cassette
(H) 16K Extended Color BASIC
(I) 32K Extended Color BASIC
*Compatible with Network 3 (see page 49).
†Compatible with Network 2.

New! TRS-80 Electronic Book™



CC A unique and fun way for children to learn. Each of the optional software packages below contains colorful pages which are inserted into the Electronic Book. Different areas of the book's touch-sensitive surface are pressed to make activity selections or to answer questions. See page 53 for additional programs. Plugs into joystick port.
26-3141 ..... 24.95

Professor Pressnote. CC (A/G) Introduces your children to the fundamentals of music. Play pre-selected tunes or create your own. Ideal for home or school. 26-2573 ... 24.95

Solar Explorer. CC (A/G) Uses the theme of space travel to give information about our solar system's planets and Earth's moon. 26-2546 ..... 19.95

TRS-80 CLASSROOM COURSEWARE

Language Arts and Reading

Early Learning Programs from the Creators of Sesame Street

Designed by The CTW Software Group, a division of Children's Television Workshop. For first and second graders, each package includes diskettes, teacher's guide, board games, posters, spirit masters and activity cards. Disk drive required.

Play-With-Language. CC (A) Three word and reading activities combining graphics and text. Teaches sight and vocabulary words, decoding and comprehension skills, following directions and sequencing. 26-2538 . . . . . 99.00

Hands On! CC (A) A program that encourages creative self-expression. The first activity lets students write with beginning word processing aids, such as insertion and deletion of text. A student's writing may be saved, and files can be created and shared with other students. With the second activity, children create and manipulate pictures—change colors, duplicate images, turn, move or scroll horizontally or vertically. Pictures can be saved. 26-2539 . . . . . 99.00

New! Courseware from MECC

Four popular programs developed by the Minnesota Educational Computing Corporation. Each comes with a manual containing learning objectives, lesson plans, student exercises and worksheets.

Basic Arithmetic. III (C) Contains four programs that provide practice in arithmetic skills. For grades 2-6. 26-2790 . . . . . 44.95

Word Games. III (C) Students learn to work with words using visual recall, logical guessing and word association. For grades 1-6. 26-2791 . . . . . 44.95

Expeditions. III (C) Students test decisions and consider the hardships of different groups of Americans during three historic periods. For grades 5-9. 26-2792 . . . . . 44.95

Puzzles and Posters. III (C) Design posters and puzzles or create your own tests and drills. 26-2793 . . . . . 44.95

Computer Assisted Reading Development

Adapted from the Philadelphia Computer Assisted Reading Development Program for supplemental reading instruction at the 4th-8th grade level. Requires AUTHOR I Lesson Presentation Package (26-2707) or TRS-80 AUTHOR I (26-1727)—see page 47. Compatible with Network 3 using the Network 3 Lesson Presentation Package (26-2713).

C.A.R.D. I: Sentences. III* (C) Covers sentence recognition, relationships, ordering and labeling. 26-2603 . . . . . 199.00

C.A.R.D. II: Paragraphs. III* (C) Students define sentence relationships within a paragraph. 26-2604 . . . . . 199.00

High Motivation Reading Series

Each program in the series comes with four student readers and an audio cassette. Computer programs measure reading comprehension. For grades 4-6. Programs require 32K with one drive and TRS-80 MicroPILOT™ (26-2718—see page 47).

Charles Lindbergh/Amelia Earhart. III* (A) 26-2513 . . . . . 74.95
Hound of the Baskervilles. III* (A) 26-2514 . . . . . 69.95
Dracula. III* (A) 26-2515 . . . . . 69.95
Moby Dick. III* (A) 26-2516 . . . . . 69.95
Beatles. III* (A) 26-2517 . . . . . 69.95
20,000 Leagues Under the Sea. III* (A) 26-2518 . . . . . 69.95
Time Machine. III* (A) 26-2519 . . . . . 59.95
Frankenstein. III* (A) 26-2520 . . . . . 59.95
Student Recording System. III* (A) 26-2521 . . . . . 29.95

Introduction to the Alphabet

I/III†* (A / G) Skill-building drill to help children ages 4 to 6 become familiar with the capital and small letters of the alphabet and their locations on the TRS-80 computer keyboard. 26-1718 . . 39.95

New! Hall of the Mountain King

I/III*† (A / G) Classroom version of the Model III/4 action game by graphics wizard Leo Christopherson. Player battles trolls and finds the way through a maze in an underground kingdom where a princess is held prisoner. Students key in answers to any multiple-choice quiz as they play the game.
26-2616 (Avail. 10/30/84) . . . 39.95

System Requirements

I—Model I III—Model III CC—Color Computer

(A) 32K with One Drive (G) 16K with Cassette
(C) 48K with One Drive (H) 16K Extended Color Basic
(E) 64K with One Drive (I) 32K Extended Color Basic

*Compatible with Network 3 (see page 49).
†Compatible with Network 2.

Business

NEW! Business Education: Computer Applications in Small Business. Designed as a complete program to supplement business accounting curriculum, the package includes visual materials, student workbooks and four business programs: General Ledger, Accounts Receivable, Accounts Payable and Disk Payroll. The course is based on a field-tested, structured teaching model and is divided into four parts for each topic. The instruction manual and student workbooks parallel each other in content, form and wording. Includes transparencies with teaching guides for their use. Requires 48K Model III or 64K Model 4 with 2 disk drives. Printer required.
26-2654 (Avail. 11/1/84) 599.00

Corplan. III* (C) A management-decision simulation game designed to supplement business instruction at the college or advanced secondary level. Allows an individual student or a team to make the quarterly production, sales and financial decisions that will make or break an imaginary company. Combining role-playing and teamwork, Corplan can aid teachers in explaining the basic rules of running a business and the value of long-range planning. Produce charts and screen reports with optional printer. Minimum of 48K required in all stations when used in Network 3 environment. 26-2619 . . . . . 49.95

Numeric Data Entry Practice. I/III* (A) A 25-lesson practice course to help students develop speed and accuracy in entry of numeric data using a 10-key pad. Printer optional. 26-2601 . . . . . 39.95

History

High Motivation History Series. III* (A) Includes 12 illustrated books on American history, from 1500 to the 1980's. Includes read-along audio tapes and computer activities diskettes. Requires TRS-80 AUTHOR I Lesson Presentation Package (26-2707) or TRS-80 AUTHOR I (26-1727)—see page 47. Compatible with Network 3 using the Network 3 Lesson Presentation Package (26-2713). 26-2645 . . . . . 299.00

History of Technology. These packages describe major technological achievements through graphics, sound effects and recorded speech. Each package includes four lessons.

Pioneers in Technology. CC (G) Lessons include The Age of Flight, Space Exploration, The Electric Car and History of Computers.
26-2624 . . . . . 94.95

Inventions That Changed Our Lives. CC (G) Lessons include Edison's Electric Inventions, Bell and the Telephone, The Story of Railroads, and The Age of Television.
26-2625 . . . . . 94.95

Model III Courseware Will Run on a Model 4 in Model III Mode

EDUCATION MANAGEMENT SYSTEMS

Radio Shack Makes Courseware Development Easy

TRS-80 MicroPILOT™

III* (A) Create your own TRS-80 courseware or adapt it from any curriculum suitable for computer-assisted instruction. TRS-80 MicroPILOT is command-oriented. It's based on the PILOT computer language, but offers extended graphics and disk file-handling capabilities. Features one-letter commands, upper and lower case characters and branching. Includes user's manual with a reference section and a sample lesson. 26-2718 ..... 119.95

TRS-80 Color PILOT

Color PILOT lets you mix text and high-resolution graphics. It features a built-in line editor and easy one-letter commands. Graphics operators include color, line, box, window and more. Display options include lower case characters and user-generated characters. Linking to program segments on disk is supported. Complete instruction and reference manual, with sample programs. Printer optional.

Tape Version. CC (G) 26-2709 .... 59.95

Disk Version. CC (A) 26-2710 .... 79.95

TRS-80 AUTHOR I

I/III (A) A screen-oriented authoring system that allows teachers to create computer-based lessons. Features full-screen editing, graphics, branching and automatic score-keeping option. Teacher can include a glossary, hints, feedback messages. Printed report includes scores and timings. 26-1727 ..... 149.95

TRS-80 AUTHOR I Lesson Presentation Package. I/III (A) Presents lessons that have been created using TRS-80 AUTHOR I. Printed report includes scores and timings. (Not required if you have TRS-80 AUTHOR I.) 26-2707 ..... 64.95

NEW! Courseware Development with AUTHOR I. Training course designed to help educators create their own lessons using TRS-80 AUTHOR I. Introduces AUTHOR I concepts. Educators are guided through actual lesson creation using text, graphics and special characters.
26-2697 (Avail. 9/30/84) 350.00

TRS-80 Network 3 Lesson Presentation Package. III* (A) Allows you to use Network 3 to present lessons created with TRS-80 AUTHOR I. Create a lesson score file for storing performance data on diskette. Prints scores and timings with optional printer. Requires host with two disk drives and Network 3 Operating System (26-2775).
26-2713 ..... 299.00

New! Game Writer

CC (A) A unique programming language for creating programs that draw pictures, produce sounds and make shapes move about on the screen. Game Writer language is easy to use—individual statements used to initiate particular actions are grouped together to form procedures.
26-2572 (Avail. 10/30/84) 44.95

Quick Quiz

I/III (A) This mini-authoring system makes it easy to create, edit, store and give multiple-choice tests in any subject area. Allows up to 40 questions with four choices per question.
26-1728 ..... 39.95

Administrative Application Packages Aid in Record Keeping

New! School Administrative Software Products Series

Interactive system to help schools collect, store, retrieve and print basic student information, attendance data, student grades and scheduling information. Each program requires a TRS-80 Model 12 or Model 16 with two floppy disk drives (or one floppy drive and hard disk), or a Model II with one floppy drive and hard disk. A line printer is required to produce reports. All packages except the Student Information System require a Radio Shack CR-510 Card Reader (26-1266—see page 49), plus the Student Information System.

Student Information System. Lets you collect, organize, retrieve and print information on the student population of your school. Construct a list of student profiles—each profile includes basic information on the student, plus your choice of information unique to your needs. Construct special lists from your information categories and print reports, mailing labels, folder labels and more. Records can be updated at any time. 26-2729 ..... 249.00

Attendance System. Helps you keep track of attendance for those students whose names have been entered into the Student Information System. The teacher records absences on special cards, which are later read by the CR-510 Card Reader. Takes attendance on period-by-period or daily basis and calculates monthly attendance statistics. 26-2730 ..... 330.00

Attendance Cards. Package of 500.
26-2741 ..... 24.95

Class Roster Forms. Package of 500.
26-2744 ..... 19.95

Individual Scheduling System. Helps you plan your master schedule, schedule students, produce schedule cards, and continue to change individual student schedules during the term whenever necessary. 26-2732 ..... 290.00

Course Request Cards. Package of 500.
26-2743 ..... 24.95

Student Schedule Forms. Package of 500. 26-2746 ..... 9.95

Grade Reporting System. Grades for each class roster can be recorded on machine-readable cards, then printed on report cards. Each student's report can include academic marks, a citizenship mark, absences, and the number of credits earned in the course. Includes up to three "teachers' comments" chosen from a list of 36 comments the faculty can write themselves.
26-2731 ..... 380.00

Report Card Forms. Package of 500.
26-2745 ..... 9.95

Grade Cards. Package of 500.
26-2742 ..... 12.95

CHAMPS™: A Football Scouting Program

I/III (C) Store and analyze scouting information on your opponent's offense. Designed for high school and college levels, CHAMPS prints a variety of listings, charts and statistical reports. Get answers to specific tendency questions in seconds. Includes ten CHAMPS Scouting Manuals which allow even inexperienced scouts to collect data. Requires 132-column printer.
26-2703 ..... 149.95

Additional Scouting Manuals. Package of 10. 26-2708 ..... 39.95

REKORD™ Planner

III (C) Record-keeping system you can personalize to fit your own data managment needs. File student data, print out student and school information and generate reports. This versatile, time-saving system makes information instantly available about any student in the file. Includes a program and tutorial diskette, plus sample formats. Available in three versions to suit your school's special requirements.

Administrator.
26-2725 ..... 499.00

Counselor.
26-2726 ..... 499.00

Special Programs.
26-2727 ..... 499.00

New! SIGI Career Guidance Program

A computer-based System of Interactive Guidance and Information from the Educational Testing Service designed to help college students make career decisions. SIGI blends an approach to career guidance that emphasizes individual values, a vast store of occupational data, and an effective strategy for processing this information. It provides a clearly defined structure for decision-making by students, but responds flexibly to individual needs and circumstances. Develops students' understanding of the elements involved in making career decisions. Requires Model II or Model 12 or 16 (in Model II mode) and two disk drives.
26-2699 ..... 1200.00

PRODUCT OF THE WEEK

TRS-80 COMPUTER EDUCATION SERIES

BASIC Instruction

Complete packages in proven structured learning format include transparencies, notes and 25 workbooks with note-taking guide, quick quizzes and hands-on computer activities.

Part 1: Introduction to BASIC. I/III (G) Discusses branching, graphics, subroutines, more. 26-2150 . . . . . 220.00

Additional Workbook. 26-2151 . . . 3.50

Part 2: BASIC Programming. I/III (G) Arrays, memory management, string manipulation, variables, more.
26-2152 . . . . . 260.00

Additional Workbook. 26-2153 . . . 4.50

Part 3: Advanced BASIC. I/III (G) INKEY$, ASCII set, graphics, cassette data files, more. 26-2154 . . . . . 260.00

Additional Workbook. 26-2155 . . . 4.50

Part 4: DOS. I/III (A) Library and utility commands, troubleshooting, error messages, more. 26-2156 . . . . . 299.00

Additional Workbook. 26-2157 . . . 4.50

Introduction to Level II BASIC. Textbook with exercises. 26-2116 . . . . . 9.95

COBOL Instruction

Teaches COBOL programming on a 64K Model II, or a Model 12 or Model 16 (in the Model II mode). With self-teaching manual and diskette with hands-on exercises. Requires Radio Shack COBOL Development System (26-4703) to run hands-on exercises.
26-2706 . . . . . 49.95

COBOL Class Notes. For classroom or self-teaching.
26-2723 . . . . . 9.95

The Illustrated Computer

Introduces secondary students to machine language programming concepts and techniques. Comes with a diskette program that illustrates a simplified computer which the student programs using a simplified machine language. Requires 32K Extended BASIC Color Computer with disk drive.
26-2670 . . . . . 44.95

New! Network Pascal

A new version of TRS-80 Pascal (26-2211) designed specifically for use with Model III/4 and Network 3 in a classroom environment. New, enhanced features include a combined editor/compiler program that minimizes host disk access time. Pascal programs can be created at each network student station. TRS-80 Pascal diskettes for stand-alone Model III/4 machines are also included for use with stand-alone disk machines. Includes 16 Student Manuals.
(C) 26-2739 . . . . . 799.00

Additional Student Manual.
26-2740 . . . . . 14.95

New! Intro to Pascal

This complete, structured teaching package comes with a teacher's manual, overhead transparencies and 25 student workbooks. Provides an introduction to structured programming, editing and compiling a Pascal program, simple Pascal data types, variables, more.
26-2674 (Avail. 11/1/84) 350.00

Color LOGO

Color LOGO helps students grasp graphic relationships and develop problem-solving skills. Students learn to program through control of a turtle symbol on the screen. The computer becomes a friendly learning tool, and students gain insight into fundamental mathematical, geometric and logical concepts through "hands-on" experimentation. Children under reading age can use a "doodle" mode to create their own graphics using pre-defined one-key commands. Students will learn to produce an unlimited number of designs, from simple to complex, merely by changing the turtle's direction and movement. A "hatch" command creates multiple turtles capable of running separate programs simultaneously on the screen. This unique feature allows creation of simple animation and games. Includes comprehensive instruction manual with lessons and programs for beginners, as well as more advanced users. Procedures written with Color LOGO may be uploaded or downloaded with a Network 2 Controller.

TRS-80 Color LOGO Disk Version. CC (A)
26-2721 . . . . . 99.00

TRS-80 Color LOGO Program Pak. CC (G)
26-2722 . . . . . 49.95

Color LOGO Teacher's Book.
26-2761 . . . . . 3.95

Color LOGO Parent's Book.
26-2763 . . . . . 3.95

Color LOGO Lab. Includes comprehensive teacher's manual, overhead transparencies and 25 student workbooks. The Lab may be used with or without a Network 2 system. Requires Color LOGO disk (26-2721) or Program Pak (26-2722).
26-2770 . . . . . 199.00

Color LOGO Lab Workbook.
26-2771 . . . . . 2.00

Computer Literacy

The Computer Connection. Introduces the basics of computer literacy to junior and senior high school students using easy-to-understand approach. Includes teacher's guide with lesson plans, student activity spirit masters, four wall charts and 80-frame filmstrip with audio cassette. Computer not required. 26-2663 . . 69.00

Computer Literacy: Computers Past and Present. Illustrates the history of computers for students in grades 4 through 8. Explains what a computer is, what it can do and how it works. Includes teacher's guide, six spirit masters and a colorful 22 × 34" wall chart.
26-2755 . . . . . 9.95

Careers in Computing. Informative package to help secondary students explore computer-related careers. Covers major computer career areas and specific jobs within selected areas. Includes teacher's guide, 30 student manuals, narrated filmstrip, eight spirit masters and colorful wall chart.
26-2758 . . . . . 130.00

Additional Manual. 26-2759 . . . . . 1.00

Computer Discovery™. Introduces students to computers and discusses their history and impact on society. Also presents basic computer programming concepts. Each package includes interactive exercises, 25 student workbooks and instructor's manual.

Computer Discovery for Junior High. III
(A) 26-2630 . . . . . 189.95

Additional Workbook. 26-2631 . . . 4.25

Computer Discovery for Senior High. III
(A) 26-2632 . . . . . 189.95

Additional Workbook. 26-2636 . . . 4.25

Resource Books

NEW! 3RD Edition TRS-80 Educational Software Sourcebook. Vendor-furnished listings include descriptions of programs and important characteristics. Many include user-site references. New listings for all TRS-80 desktop computers. 26-2712 . . . . . 9.95

Proposal Writing Guide. For educators seeking funding from an outside source, such as the Federal government or a private foundation. Emphasizes computer-related education projects. 26-2754 . 9.95

Number Patterns. This 36-page booklet shows how to introduce sequences and series in an entertaining way using computers. 26-2752 . . . . . 2.50

My TRS-80 Likes Me. Teacher's guide to helping elementary students understand and enjoy the BASIC computer programming language. 26-2751 . . . . 2.50

TRS-80 Microcomputer Handbook for Educators. This informative booklet describes what microcomputers are and how they can be used in classrooms and for administrative purposes. Discusses costs, courseware and other related subjects that are of special concern to the educator.
26-2757 . . . . . 2.50

Minimum System Requirements

I — Model I III — Model III
CC — Color Computer

(A) 32K 1-Disk (G) 16K with Cassette
(C) 48K 1-Disk (H) 16K Extended Basic
(E) 64K 1-Disk (I) 32K Extended Basic

* Compatible with Network 3 (see page 49).
\+ Compatible with Network 2

All Model III Programs Run on Model 4 in the Model III Mode

TRS-80 EDUCATIONAL SYSTEMS

Network Controllers Provide Shared Learning Systems

Network 3 Controller

Connect Up to 16 Student Stations to a Single Host **599.00**

III/4. Enables student workstations to access and select lessons stored on host system so teacher is freed from repeatedly loading programs. Under software control, scores can be automatically stored on the host disk for later review. An optional line printer attached to host computer lets students get printouts of their programs without teacher assistance. Designed for use with TRS-80 educational courseware that's Network 3 compatible (pages 45, 46, 47 and 48). Requires operating software (below). Minimum student station: 32K Model III/4 with RS-232C port. Minimum host station: 32K 1-Disk Model III/4 with RS-232C port. Cables available separately. (see page 40). U.L. listed.
26-1212 . . . . . 599.00

Network 3 Operating Software. III. Supports the Network 3 host and its student stations. Permits student stations to SAVE and LOAD programs directly to and from the host disk. Printer access requests are spooled at host until printer is free. Operates on Model 4 in Model III mode.
26-2775 . . . . . 149.00

Network 3 Hard Disk Operating Software. Allows use of a 5-Megabyte (26-1130) or 15-Megabyte (26-4155) Hard Disk at the host computer.
26-2778 . . . . . 149.00

TRS-80 Model 4 Student Station Specially Configured for Use with the Network 3 Controller System

NEW LOW PRICE!

899.00

Was $1249.00 in RSC-11

Runs All Courseware Compatible With Our Network 3 Controller

Includes 64K Memory, Built-In RS-232C Interface and Cable

Now setting up a Network 3 system is easier than ever. This fully-configured student station comes complete and ready to use. Students can load the program they want from the host disk with just a few keystrokes. Student programs can access disk files on the host for storage or retrieval. U.L. listed. 26-1059 . . . . . 899.00

Add a TRS-80 Network 2 Controller

Allows Teacher's "Host" System to Up and Down-Load Programs to as Many as 16 TRS-80 Student Stations

All Cables Included **499.00**

I/III/4/CC/Model 100. Allows easy management of student programs. You can simultaneously load a program into all 16 student systems at either 500 or 1500 baud, depending on the TRS-80 computers used. With optional printer connected to host computer, student programs can be loaded into the host and printed out. Use with Model I/III/4 as host and student stations, or with Color Computers as host and student stations. The Network 2 can be used to transfer ASCII files with Model 100 student stations and either a Model 100 or a Model 4 host. Controllers can be cascaded to connect more stations. 26-1211 . . . . . 499.00

Automate Time-Consuming Tasks with a TRS-80 Computer Card Reader

- **Reads Marked or Punched Cards in Three Feeding Modes**
- **Connect to Any TRS-80 Computer with RS-232C Port**
- **Automate Data Compilation, Statistics, and More**

1595.00

CR-510 Card Reader. Administrators, teachers and students can benefit from this TRS-80 input device. Use with Radio Shack School Administrative Software Products Series (described on page 47) to expedite administrative chores, grade, attendance and scheduling functions. The CR-510 provides single, demand or continuous feed operation and is controlled through manual switches or software. Cards must be at least 6 inches in length, and can be either marked or punched (with standard keypunch). Special-order Card Holder allows cards up to 14 inches to be read. Included with the CR-510 is a comprehensive owner's manual, diagnostic test card, packet of 200 general purpose cards, and diskette with COBOL and BASIC driver routines. Requires TRS-80 computer with RS-232C port. Cables available separately (see page 40). 26-1266 . . . . . 1595.00

General Purpose Standard Cards. Use with the CR-510 Card Reader. Packet of 500 six-inch cards that can be marked with any medium (#2 pencil recommended) or punched with standard equipment. 26-1241 . . . . . 9.95

POWERFUL 64K COLOR COMPUTER 2

SPECIFICATIONS. (See page 52 for additional specs.) **Microprocessor:** 6809E 8-bit. **Clock Speed:** 0.894 MHz. **Video Display:** 16 lines of 32 characters (upper case only). **Graphics:** 64 × 32 (8 colors) to 256 × 192 (1 color and background color). Three intermediate formats. Higher resolutions in the same range are available through machine language. Extended BASIC or Program Paks. **Memory:** 16K ROM, 64K internal dynamic RAM. **Commands/Statements:** CIRCLE, CLOADM, COLOR, CSAVEM, DEF FN, DEFUSRn, DEL, DRAW, EDIT, GET, INSTR, LET, LINE, LINE INPUT, MIDS$, PAINT, PCLEAR, PCLS, PCOPY, PLAY, PMODE, PRESET, PRINT USING, PSET, PUT, RENUM, SCREEN, TROFF, TRON. **Functions:** ATN, COS, EXP, FIX, HEX$, LOG, PEEK, POS, PPOINT, STRING$, SQR, TAN, TIMER, USRn.

Write Advanced Programs and Create Detailed Color Graphics

259.95 Less TV

AS LOW AS $26 PER MONTH

- **Access 32,000 Characters of Memory Using Extended BASIC Language**
- **Add Our Optional Operating System and a Disk Drive to Access 64K**
- **Powerful Software Now Available to Take Advantage of the 64K Memory**

64K Extended BASIC Color Computer 2. An affordable computer for many business, professional and advanced home uses. Simple, one-line commands make detailed color graphics easy to create. Ideal for drawings, designs, business charts, engineering diagrams, even animation. Use our Program Pak™ cartridges for education, entertainment, personal and household tasks. Features 256 × 192 screen resolution (49,152 pixels); multi-character variable names (two significant); string arrays up to 255 characters; full-featured editing; tracing; floating point 9-digit accuracy; trigonometric functions; user-definable keys; specific error messages; and PEEK, POKE and USR commands. Compact white case with typewriter-style keys. Easy to expand with disk drives, printer, plotter, telephone modem and more. Attaches to any TV. Includes tutorial manuals on Standard and Extended Color BASIC. U.L. listed.
26-3127 . . . . . 259.95

New Low Price! Increase Your Data Storage with a TRS-80 Color Computer Disk Drive

Disk Operating System Is Stored in ROM and Uses Only About 2K of Memory

1st Drive
349.95
AS LOW AS $28 PER MONTH
Was $399.95 in Cat. RSC-11

2nd, 3rd, 4th Drives
279.95
AS LOW AS $26 PER MONTH

- **156,672 Characters of User Storage Per Diskette**
- **Quick and Easy Access to Programs and Data**
- **Plugs into Your Computer's Program Pak Port or Multi-Pak Interface**
- **Add Up to Four Drives for Over 626K-Bytes of Storage**

Color Disk #0 Kit. Turn any TRS-80 Color Computer with Extended BASIC into a complete disk system! You can write your own sophisticated disk applications or add our ready-to-run software. The Color Disk Operating System is fully contained in the controller Program Pak, so the full 156K-byte disk capacity is available for on-line storage. Includes 5¼" double-density, 35-track floppy disk drive, plug-in Program Pak cartridge with cable, one blank 5¼" diskette, reference manual and operator's instructions. Included cable allows up to two drives on a system. U.L. listed. 26-3029 . . . . . 349.95

Disk #1, 2 or 3. Requires Disk #0. 26-1161 . . . . . 279.95

Complete and Affordable Color Disk System

Attach to Your TV and Start Programming!

Save $113.90

Reg. Separate Items 1213.85

1099.95 Less TV

AS LOW AS $63 PER MONTH

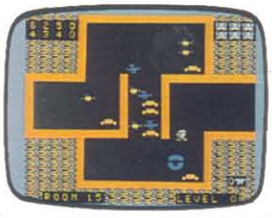
- **64K TRS-80 Color Computer 2**
- **Color Disk Drive #0** ■ **Printer Cable**
- **Letter-Quality DWP-210 Daisy Wheel Prints Text at 200 Words Per Minute**
- **Ready-to-Run Disk Software Available**

System includes 26-3127/3029/1257/3020

COLOR COMPUTER DISK SOFTWARE

Color Computer Disk Games for Spine-Tingling Family Enjoyment

Shamus



NEW FOR '85 **29.95**

Wind your way through the mazes filled with ROBO-DROIDS, WHIRLING DRONES and SNAP JUMPERS in search of the shadow.
26-3289 . . . . . 29.95

Sands of Egypt

Combines Strategy With Graphics **29.95**

Can you crack the secret of the ancient Tomb of Ra in your allotted number of moves and escape with the desert treasure?
26-3290 . . . . . 29.95

NEW! Flight Simulator. Take off into the wild blue yonder! Learn the basics in instrument recognition, manual control of ailerons (pitch and roll), compass readings, take-off and landing requirements, and much more. Joystick required.
26-3108 (Avail. 9/30/84) 24.95

NEW! Desert Rider. How long do you think you can you survive this treacherous, grueling motorcross track? If you find the stamina for the spills and thrills, you'll become a Desert Racer Hall of Fame member. Joystick required.
26-3292 . . . . . 29.95

NEW! Ghana Bwana. You're in an outrigger trying to reach the island, but natives are hurling spears. You can turn back, but the sea is infested with hungry sharks. Survive the attack, find the key to obtain the treasure and win! Joystick required.
26-3293 (Avail. 9/30/84) 29.95

Color Disk Software for Education and Personal Productivity

KIDWRITER Storybook

NEW FOR '85 **29.95**

Lets your children create their own storybook with colorful scenes and music. Hours of imaginative fun for beginners or those with previous Color Computer experience.
26-3249 (Avail. 10/30/84) 29.95

NEW! DYNACALC. A powerful electronic spreadsheet. Features up to 256 columns or 256 rows of cells—each cell can hold a number, string or expression. Built-in numeric functions and 16-digit precision (15 for transcendentals). Strings can be up to 127 characters in length. Formatting features include left or right-justified strings, vertical or horizontal split screen, and varying column widths. The worksheet can be sorted numerically, alphabetically or both. Printer support provided. Uses the standard 32×16 display. Requires 64K and OS-9 boot capability.
26-3275 (Avail. 10/30/84) 99.95

NEW! OS-9 SCRIPSIT. An advanced—yet easy to learn and use—word processing program that's ideal for long reports, instruction manuals and form letters. Features include unlimited document size, merging data from two files for form letters, automatic handling of references to other pages, automatic generation of a table of contents and an index, user-defined keys for activating special printer features, user-defined keys for rapid entry of multiple keystrokes, dynamic changing of margins, tabs, line widths, etc., and much more. Requires 64K and OS-9 boot capability.
26-3276 (Avail. 10/30/84) 99.95

NEW! COMPUCHEF. Two programs in one! An all-purpose "menu planner" suggests complete meal menus which are tasty, culinarily correct and dietarily balanced. A "recipe index file" allows you to enter and store your own favorite recipes—or the computer can create new ones from your suggestions.
26-3257 (Avail. 9/30/84) 39.95

NEW! Investograph. Charts stocks and trends. Features high-resolution graphics.
26-3258 . . . . . 49.95

NEW! C Compiler. A high-level language that produces assembly language source code for the 6809 microprocessor. You can easily develop applications that up until now required complex machine language programming. Best of all, almost any application written in C can be transported from a UNIX system to an OS-9 system, recompiled and correctly executed. Requires OS-9 disk operating system.
26-3038 . . . . . 99.95

NEW! PASCAL-09. A complete implementation of this structured programming language with enhancements for expanded input/output and the OS-9 environment. It produces either "p-code" for interpretive execution or assembly language source code for the 6809 microprocessor. Requires OS-9 disk operating system.
26-3034 . . . . . 99.95

NEW! TRSCOPY. Allows transfer of text files between "OS-9" disks and "Color Computer Disk BASIC" disks. Text files are copied without modification.
26-3263 . . . . . 24.95

NEW! TSEDIT. A high-resolution screen editor that allows upper and lower case in lines from 32-80 columns.
26-3264 . . . . . 34.95

OS-9 Disk Operating System. A real-time operating system that accesses the entire memory of our 64K Extended BASIC Color Computer. OS-9 includes a powerful editor/assembler, plus functions for disk and terminal input/output, software memory management and multi-tasking. Includes complete documentation, reference manual and diskette. 26-3030 . . . . . 69.95

BASIC-09. An enhanced version of standard BASIC written for the 6809 microprocessor. Includes advanced features derived from PASCAL. Interactive compiler produces compact object programs for high-speed execution. Requires OS-9 disk operating system. 26-3036 . . . . . 99.95

Color Disk Editor/Assembler. Develop your own 6809 programs and subroutines. Features printer output pagination, assembler macro facility with automatic symbol generator, and ZBug for quick and easy testing. A memory-saving INCLUDE facility allows source code to be stored in separate files. 26-3254 . . . . . 59.95

Color Disk Graphics. Create, plot and label vertical or horizontal bar, pie and line charts. 26-3251 . . . . . 49.95

Color Disk Profile. A personalized data base for household and business records. Create up to 256 data fields. Define up to four primary and four secondary search keys. Includes password protection and convenient reallocate facility for easy insertion of new data. 26-3253 . . . . . 59.95

Color Disk SCRIPSIT. An easy-to-use word processing program that offers optional upper and lower case display and background printing. Insert, delete, move and duplicate words, sentences, even whole paragraphs.
26-3255 . . . . . 49.95

NEW! Color SCRIPSIT Dictionary. Use with Color Disk SCRIPSIT to check for spelling errors automatically!
26-3265 . . . . . 59.95

Color Disk Spectaculator. A spreadsheet analysis program. Simply enter numbers and formulas in row and column format. Change a value or formula and Spectaculator will recalculate and display all affected figures on command. 26-3256 . . . . 49.95

Color Disk Personafile. Get fast access to household data. Keep track of inventories, addresses, medical histories and more.
26-3260 . . . . . 49.95

Cash Budget Management. A sophisticated personal or small business bookkeeping program. Enter income and expense amounts into the built-in petty cash, checking and savings accounts. Deposit and debit calculations are automatic. Features ready-to-use income, expense and cash categories—or you can define your own. 26-3261 . . . . . 49.95

POPULAR TRS-80 COLOR COMPUTER 2

16K Standard BASIC

119.95 Less TV — USE YOUR Radio Shack CITILINE

Was $159.95 in Cat. RSC-11

Standard TRS-80 Color Computer 2. Use the built-in BASIC language to create spectacular 8-color graphics, or use our instant-loading Program Pak™ cartridges to manage finances, help your kids develop math and reading skills or play exciting outer space and sports games! Features compact white case and low-profile electric typewriter-quality keyboard. Expand with a printer, a telephone modem, more memory, a cassette recorder or up to four disk drives. Includes entertaining 308-page beginner's manual. U.L. listed.
26-3134 . . . . . 119.95

16K Extended BASIC

159.95 Less TV — USE YOUR Radio Shack CITILINE

Was $199.95 in Cat. RSC-11

Extended TRS-80 Color Computer 2. The perfect tool for setting up a home budget, tracking investments or learning to write your own programs. Includes all the features of the Standard Color Computer 2, plus advanced programming capabilities to make superb color graphics using simple one-line commands. Includes PEEK, POKE and USR commands, multi-character variable names, string arrays up to 255 characters, full-featured editing and tracing. Includes tutorial manual on Standard and Extended BASIC. U.L. listed.
26-3136 . . . . . 159.95

SPECIFICATIONS. Microprocessor: 6809E, 8-bit. **Clock Speed:** 0.894 MHz. **Keyboard:** 53 keys, including BREAK and CLEAR. **Video Display:** 16 lines of 32 upper case characters. Color graphics capabilities range from 32 × 64 (8 colors) to 192 × 256 (1 color and background color) with 3 intermediate formats. Higher resolutions in the same range are available through machine language, Extended BASIC or Program Paks. **Memory:** Color BASIC is in 8K ROM. Extended Color BASIC is an additional 8K ROM. 16K internal dynamic RAM. **Input/Output:** 1500-baud cassette (recorder optional). Two 2-dimensional joysticks (optional). RS-232C serial I/O port. Standard TV connection (300 ohms). **Interrupt Timer:** Accessible from Extended BASIC or machine language only. **Dimensions:** 3 × 10 3/8 × 14 3/4". **Power:** 120VAC, 60 Hz.

Introducing the TRS-80 Touch Pad for Graphics

NEW FOR '85

59.95

Use As a Graphics Tablet to Write or Draw on Your Screen

Touch Pad by Koala Technologies. The friendly, easy way to use your TRS-80 Color Computer! Ideal for creating free-hand graphics—simply touch the tablet's surface with your finger or the included drawing pen. Use the Touch Pad like a paddle controller or joystick—compatible with Color Computer games and programs. With instructions. 26-1185 . . . . . 59.95

Start Computing Today! Economical Color Computer Cassette System

349.95 Less TV — Reg. Separate Items 384.80 — AS LOW AS $28 PER MONTH (Radio Shack CITILINE)

- **16K Standard TRS-80 Color Computer 2**
- **CCR-81 Computer Cassette Recorder**
- **CGP-115 Color Graphics Printer**
- **Printer Interface Cable**
- **Ready-to-Run Cassette Software Available**

Color Upgrade Kits

16K RAM Upgrade Kit. Converts a 4K Color Computer to 16K. 26-3015 . . 49.00*

Low-Profile Keyboard Kit. Can be fitted to all previous models. 26-3016 . . . . 39.95*

64K RAM Upgrade Kit. Converts a 4K, 16K or 32K Color Computer to the same 64K memory used in our #26-3127.
26-3017 . . . . . 69.95*

Extended Color BASIC ROM Kit. Upgrades a Color Computer for advanced graphics capabilities. Requires 16K.
26-3018 . . . . . 39.95*

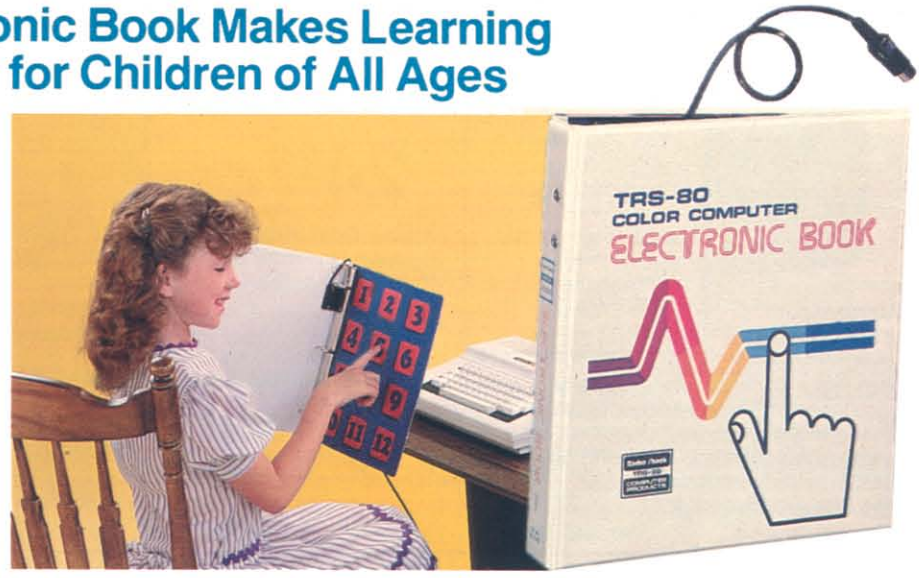
*Upgrade kit prices do not include required installation. Some installations may require additional-cost hardware.

COLOR COMPUTER ACCESSORIES

Our New Electronic Book Makes Learning Fun and Easy for Children of All Ages

NEW FOR '85 **24.95**

- **Touch-Sensitive Surface Allows Kids to Answer Questions**
- **Programs Teach Different Concepts**
- **Pre-School Age Children Can Get Ahead by Learning at Home**



TRS-80 Electronic Book. Your kids will spend hours learning the fun way! Each of the optional software packages contains "pages" which compose the Electronic Book. Different areas of the book's touch-sensitive surface are pressed to make selections. Interactive routines make learning a game. Choose from six different programs (described below and at right). Safe for kids to use, too—plugs into joystick port. Requires 16K. 26-3141 . . . . . 24.95

Solar Explorer. Uses the theme of space travel to give information about the planets in the solar system and the earth's moon. Requires 32K.
26-2546 . . . . . 19.95

Word Wizard. A spelling game where kids "shoot" the answer. 26-2544 . . . . . 19.95

Shape Maker. Identify geometrical shapes and make designs. 26-2542 . . . . . 19.95

Professor Pressnote's Music Machine. Teaches concepts of music, including length of notes and how they fit together. Requires 32K. 26-2573 . . . . . 24.95

Maze Master. An introduction to computer use. Children solve mazes by writing instructions.
26-2541 . . . . . 19.95

The Number Factory. One number goes "in", another comes "out". What was the math operation?
26-2543 . . . . . 19.95

Accessories for Action-Packed Fun, Communications and System Versatility

A **Deluxe Joystick.** Get accurate cursor control and quicker response. Dual-axis trim controls. 26-3012 . . . . . Each 39.95

B **Color Mouse.** Adds speed and ease to games and graphics creation. Simply "roll" across tabletop to position cursor. Use alone or with a joystick. 26-3025 . . 49.95

C **Joysticks.** Fast 360° movement! Single-shot button. 26-3008 . . Pair/24.95

D **Multi-Pak Interface.** Connects up to four Program Pak™ cartridges to your Color Computer at once! Connects disk drives and other accessories, too. U.L. listed. 26-3024 . . . . . 179.95

E **Deluxe RS-232 Program Pak.** Lets you communicate with major information services (CompuServe and Dow Jones News/Retrieval) and with other computers over telephone lines. Frees serial port for optional printer. Requires modem.
26-2226 . . . . . 79.95

Appliance/Light Controller

NEW FOR '85

99.95

Program Up to 128 Events for Total 24-Hour Control

USE YOUR Radio Shack CITILINE

Simply connect lights and appliances to Plug 'n Power™ remote control modules (sold separately at Radio Shack), attach the controller to your Color Computer, then program all desired times and events. All data is transferred to the controller—your computer is left free for other uses. Battery backup provision (requires 9V battery). U.L. listed. 26-3142 . . . . . 99.95

Sound/Speech Cartridge

NEW FOR '85

99.95

Now Add Sound, Three Voices and Noise to Your BASIC Programs

USE YOUR Radio Shack CITILINE

This amazing new programming enhancement lets you hear what you've only been seeing. Just plug it into the Program Pak port of your Color Computer and you can add sound and voices to your BASIC programs using PEEK and POKE commands. It even lets you add text to the speech in your programs. The possibilities are almost endless. 26-3144 . . . . . 99.95

Cassette Recorders

NEW FOR '85

Low As **49.95**

CCR-82

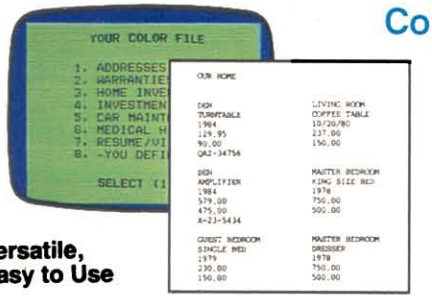
Designed For the TRS-80

NEW! CCR-82. Features sound monitor, volume control with preset marker, and pause. Requires four "C" batteries or optional AC adapter. 26-1209 . . . . . 49.95

CCR-81. Cue/review and tape counter. U.L. listed AC operation or four "C" batteries (not included). 26-1208 . . . . . 59.95

COLOR COMPUTER SOFTWARE

Put Your Color Computer to Work with These Helpful Programs



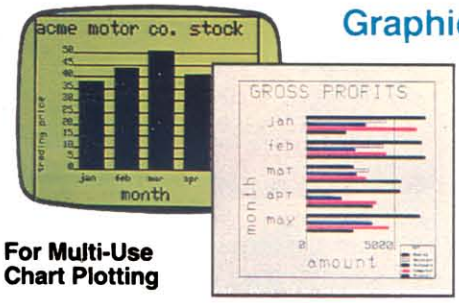
Color File

24.95

A Low-Cost Filing System for Your Color Computer

Versatile, Easy to Use

File away your records electronically! Color File lets you quickly store, retrieve and use various types of important data, such as addresses, warranties and personal records. Easily alphabetize, select, examine, print, change and save your information. Comes pre-set with seven ready-to-use files—or you can create your own. Requires cassette recorder.
26-3103 . . . . . 24.95



Graphics Pack

39.95

Choose from Four Different Chart Formats

For Multi-Use Chart Plotting

Easily create and plot a variety of charts and graphs! Graphics Pack lets you display them on your screen in color, or print them using an optional graphics printer. Chart formats include vertical or horizontal bar charts, pie charts and line charts. And you can label the lines used on your graphs with a key "legend." Save your charts on cassette tapes with an optional cassette recorder.
26-3157 . . . . . 39.95

Spectaculator

Do your planning, forecasting and problem-solving with this "electronic spreadsheet." Just enter numbers and formulas, and Spectaculator will calculate and display the results on command, saving you time and effort. Enter new figures and it updates all related numbers. Answers "What if . . . ?" questions—ideal for financial projections. Up to 99 rows and columns. Add headings, even "erase" worksheet and leave format intact. Cassette recorder recommended.
26-3104 . . . . . 34.95

Color SCRIPSIT®

Fast, easy and powerful word processing at a very low price! No more messy erasure marks or runny correction fluid. Type and edit your letters, themes and reports right on the screen. Insert, delete, move and duplicate words, sentences, even whole paragraphs. Text can be saved on tape (recorder optional) or printed "correction-free" with optional printer (outputs upper and lower case). Includes text search and replace.
26-3105 . . . . . 34.95

Personal Finance II

Set up a budget to see where all your money is going! Learn where to correct bad financial habits. Features 26 major expense categories: auto, gas, clothing, food, retirement, more. Review expenditures on a year-to-date or category basis. Includes printouts and graphs.
26-3106 . . . . . 34.95

New! Color Screen Print Utility

Provides multi-color printouts of color graphics scenes produced from any graphics program. For use with color ink-jet printer (26-1268) or any dot-matrix printer with bit-image capabilities for black and white printouts. Requires 16K Extended BASIC and cassette recorder. 26-3121 . . . . . 9.95

Handyman

Makes a do-it-yourselfer's work easier! Embarking on a home improvements program or lawn project? Just feed in the measurements and Handyman will tell you how much lumber, paint, insulation, fertilizer, sand, gravel, etc. you'll need. Handyman helps you compare prices, too. 26-3154 . . . . . 29.95

Editor/Assembler

Develop 6809 software programs or subroutines. You get trial assembly of object code and execution of your program in-memory before final assembly to tape, an editor that enables you to change your program and reassemble, and Z-Bug for quick and easy testing. Requires 16K. 26-3250 . . . . . 49.95

Color Compac

Cassette-based program features the software to configure your Color Computer's serial port for communication. Access major data bases, plus transmit and receive BASIC programs and machine language routines by phone. Requires modem, cable and cassette recorder. 26-3330 . . . . . 29.95

Cassette Software for the TRS-80 MC-10

Micro Color Compac. Configure your MC-10's serial port for communications. Access major news and financial data bases, such as CompuServe and Dow Jones News/Retrieval for the most up-to-date information (requires modem and cable). Package contains user I.D. numbers and complete user's guides for each of these two services (see page 32 for more information on communications and data base services). 26-3350 . . . . . 29.95

Micro Color Checkers. Try your skill against the computer's in this all-time favorite. Great fun for beginners, as well as "old pros". 26-3360 . . . . . 8.95

Micro Color Games Pak. Includes five different games! Play Lunar Lander, Breakout, Pong, Horse Race and Egg Hunt! Fun for the whole family. 26-3361 . . . . . 9.95

Micro Color Math/Design Package. Two programs in one! "Mini-Calc" functions like a hand-held calculator. Performs addition, subtraction, division and multiplication; finds sine, cosine and tangents; and more. "Spirals" lets you design and plot a large variety of polygonal spirals in four colors. A great learning aid. CGP-115 Color Graphics Printer is recommended for Spirals. 26-3362 . . . . . 9.95

Micro Color Lostworld Pinball. Stone-age pinball fun! Two cavemen hit boulders with sticks trying to bounce them off dinosaurs. Great arcade-style action and excitement! Requires 16K RAM Module (26-3013). 26-3363 . . . . . 9.95

Don't See the Software You Need? Try Our Software "Hotline"

- **Choose from Additional Titles Not Shown in Our Catalog**
- **Software Available for TRS-80 Color Computers**
- **No Extra Charge for This Service**

Your nearby Radio Shack store or Computer Center has a special hotline for ordering selected software packages not listed in our catalogs. So if it's not in our stores, we'll special-order it for you via our Hotline and have it ready for pickup in just a few days. We're your one-stop center for game cartridges, utility programs and much more. Check it out—today!

LEARN WITH THE COLOR COMPUTER

NEW! Facemaker. Helps children become comfortable with computer fundamentals by playing fun, simple games. The child builds a face by choosing eyes, noses, etc., then makes the face smile, wink, frown or wiggle its ears. 26-3166 . . . . . 29.95

NEW! Kids on Keys. Children learn with the computer keyboard as they identify numbers, letters and words. 26-3167 . . . . . 29.95

NEW! Kindercomp. Kids create colorful pictures, or enjoy colors and sounds as they press different keys. 26-3168 . . . . . 29.95

SPINNAKER
Available 10/30/84
We make learning fun

NEW! Fraction Fever. Helps develop an understanding of what a fraction is, and the relationships between them. As the child hops on a graphic "pogo stick", he or she searches for matching fractions to gather points. 26-3169 . . . . . 29.95

NEW! Alphabet Zoo. Children learn to associate letters of the alphabet with the sounds they represent in two humorous games. Players can pick the skill level that best suits them. And for younger children, there's a continuous display of the alphabet accompanied by pictures and music. 26-3170 . . . . . 34.95

Art Gallery. Draw landscapes, seascapes, still lifes, cartoons and more using superb graphics with up to eight colors. Save results on tape with an optional cassette recorder. With 27 images (more available). Joysticks (optional) can be used as brushes. 26-3061 . . . . . 39.95

Wildcatting. Strategy game in the oilfields. One to four wheeler dealers pick drilling sites. Hit a gusher and you're in the money. Player with highest profits wins. 26-3067 . . . . . 24.95

Robot Battle. Challenge another player to see whose programming skills produce the conqueror robot! 26-3070 . . . . . 29.95

Micropainter. An electronic "coloring book"! Load picture into computer and "paint" what appears on the screen. Three palettes, each with four colors. Save results with optional cassette recorder. With 8 pictures (more available). Joysticks optional. 26-3077 . . . . . 34.95

Crosswords. Two great word games in one package—fascinating and educational for any age. You work against the clock to make as many words as you can from letters on the screen. Or pick from a letter "pool" to make the highest-scoring word. It's the first word in fun! 26-3082 . . . . . 24.95

Atom.* A game designed to introduce the subatomic world of elements through building atoms. Teaches the names of elements, their atomic numbers, configurations and main properties. Includes beautiful wall poster. 26-3149 . . . . . 19.95

Bingo Math.* Three games to make math fun! Includes Bingo, Speed Math and Number Hunt. 26-3150 . . . . . 24.95

Bridge Tutor. A grand slam for beginning bridge players. One hundred different hands—each completely analyzed. Play South, East or West, or exchange with partner. Computer grades bidding and gives advice. 26-3158 . . . . . 24.95

Games from the People Who Brought You Sesame Street!

CCW
CHILDREN'S COMPUTER WORKSHOP
AN ACTIVITY OF
CHILDREN'S TELEVISION WORKSHOP

Taxi. *** A Cooperative Strategy Game. Kids earn fares and tips and learn to make change as they drive taxis through six cities from New York to Shanghai. For ages 7-up. 26-2509 . . . . . 19.95

Star Trap.* A Cooperative Strategy Game. Players race through a maze to trap a slippery star. For ages 7-up. 26-2510 . . . . . 19.95

Grover's Number Rover.** A Basic Skills Game. Grover is counting on you to help him with numbers! For ages 3-6. 26-2522 . . . . . 19.95

Peanut Butter Panic.* A Cooperative Strategy Game. Players catch stars to make sandwiches and score points! For ages 7-up. 26-2523 . . . . . 19.95

Ernie's Magic Shapes. ** A Basic Skills Game. Help Ernie match shapes and colors. For ages 3-6. 26-2524 . . . . . 19.95

Big Bird's Special Delivery.* A Basic Skills Game. Match pictures to help Big Bird deliver his packages. For ages 3-6. 26-2525 . . . . . 19.95

Cookie Monster's Letter Crunch.* A Basic Skills Game. Match letters and words to feed Cookie Monster. For ages 3-6. 26-2526 . . . . . 19.95

Grobot. *** A Creative Exploration Game. Challenging action in which players plant, protect and harvest an outer space "astro-garden". Encourages quick thinking and good planning. For ages 10-up. 26-2527 . . . . . 19.95

Time Bound. *** A Creative Exploration Game. Learn historical facts and use them to plan an escape for Ankron. For ages 10-up. 26-2528 . . . . . 19.95

Flip Side. *** A Creative Exploration Game. Change as much of the board to your color as you can. Players learn to think and plan ahead. For ages 10 and up. 26-2529 . . . . . 19.95

CCW programs require Extended BASIC

Learn With Disney Characters!

Walt Disney
PERSONAL COMPUTER SOFTWARE

Telling Time with Donald.** Learning to tell time is easy with Donald Duck. For ages 5-8. 26-2530 . . . . . 34.95

Problem Solving with Scrooge McDuck.** Discover the value of estimating with Scrooge McDuck and how to read graphs with Goofy. For ages 9-13. 26-2531 (Avail. 10/30/84) 34.95

Mickey's World of Writing.** Youngsters learn sentence structure and basic writing skills with Mickey Mouse. For ages 8-11. 26-2532 (Avail. 10/30/84) 34.95

Goofy Covers Government.** Reporter Goofy explores our government. For ages 8-11. 26-2533 (Avail. 10/30/84) 34.95

Mickey's Alpine Adventure.** Learn with Mickey Mouse and Donald Duck about the sounds of vowels and consonants. You'll also learn important spelling rules. 26-2534 . . . . . 34.95

Math Adventures with Mickey.** Mickey Mouse and friends teach problem-solving and how to use decimals. For ages 9-13. 26-2535 (Avail. 10/30/84) 34.95

Space Probe: Reading.** Outer-space adventure that develops important reading comprehension skills. For ages 10-15. 26-2536 (Avail. 10/30/84) 34.95

Space Probe: Math.** In an interstellar atmosphere, youngsters learn about word problems and the concepts of area and perimeter. For ages 7-14. 26-2537 . . . . . 34.95

Develop Reading and Vocabulary Skills with the Color Computer

Fun with Reading. Each package includes an illustrated reader, a read-along cassette tape, and a computer tape with spelling and vocabulary exercises with immediate feedback. For grades 4-6.

Dracula.** Based on the classic tale of horror by Bram Stoker. 26-2550 . . . . . 19.95

The Hound of Baskervilles.** Follow the clues with Sherlock Holmes and Dr. Watson. 26-2551 . . . . . 19.95

Moby Dick. Adventure on the high seas in search of the great white whale! 26-2552 . . . . . 19.95

20,000 Leagues Under the Sea.** Explore the strange underwater world of Captain Nemo. 26-2553 . . . . . 19.95

Vocabulary Tutor. Match words with their definitions and place words in the appropriate sentences. For grades 3-5.

Vocabulary Tutor 1.** 26-2568 . . . . . 8.95

Vocabulary Tutor 2.** 26-2569 . . . . . 8.95

Color Computer Learning Lab.** Self-teaching course in standard Color BASIC. 26-3153 . . . . . 49.95

NEW! Assembly Language Tutor. Self-teaching guide to 6809 assembly language programming. 26-3148 (Avail. 10/30/84) 49.95

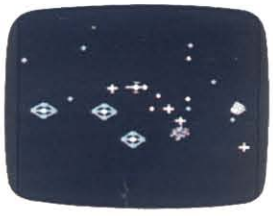
NEW! Color Math. Math skills for ages 6-14. Includes problems in addition and subtraction. 26-3201 (Avail. 9/30/84) 19.95

*Joysticks required. **Cassette recorder required. ***Joysticks and cassette recorder required.

EXCITING COLOR COMPUTER GAMES

Introducing Four New Instant-Loading Games for the Whole Family

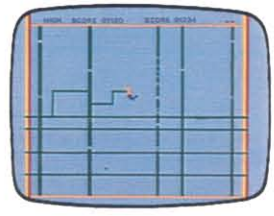
New! Stellar Lifeline



19.95 **Trail Blazers in Space!**

You're commanding a spaceship "convoy" travelling between star bases. Clear the path of asteroids, magnetic mines and alien attack ships.
26-3047 . . . . . 19.95

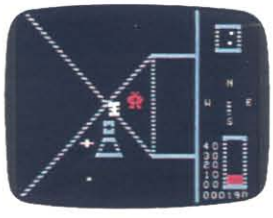
New! Spidercide



19.95 **Escape the Web!**

Giant spiders are trying to trap you in their webs. Keep calm and use your spaceship's missiles to defend yourself and escape the silky trap!
26-3049 . . . . . 19.95*

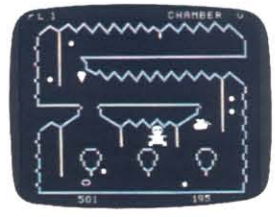
New! Androne



19.95 **High-Tech "Bug" Killer!**

Your computer has been invaded by Data Bugs. Call on Androne, a user-controlled robot to hunt through your memory banks and "de-bug" them.
26-3096 . . . . . 19.95

New! Downland



24.95 **Become a Spelunker!**

Alone in a secret cave, you jump and climb from chamber to chamber, collecting keys, gold and diamonds. Each chamber is different—so watch out! 26-3046 . . . . . 24.95

Enjoy the Challenge and Adventure of These Color Computer Games

Instant-Loading Program Pak™ Games for the Whole Family

Skiing. Race against time through slalom gates to the "finish banner". Joysticks control direction and speed. Selectable skill levels.
26-3058 . . . . . 29.95*

Color Backgammon. The classic game of strategy and luck—a great way to sharpen your skill. The computer can even double the ante.
26-3059 . . . . . 17.95

Galactic Attack. Enemy spaceships dive bomb your fortification. If you destroy this squadron, the enemy reverts to a deadly night attack.
26-3066 . . . . . 24.95*

Gomoku and Renju. Classic Oriental game of strategy! Requires placing five men in a row. A challenge that can take hours!
26-3069 . . . . . 19.95

Poltergeist. Based on the hit movie! First, find clues. Then, climb stairs. Third, destroy the poltergeist.
26-3073 . . . . . 29.95

Color Cubes. Solve that maddening cube puzzle on your computer! Save your position with optional tape recorder.
26-3075 . . . . . 29.95

Mega-Bug. A maze of fun! Try to lose the little "buggers" hot on your trail. Excellent color graphics.
26-3076 . . . . . 29.95*

Castle Guard. Defend your castle from the giant fireball using Merlin's magic pikes! Great color graphics.
26-3079 . . . . . 24.95*

Tennis. "Volley" against the computer or another player. Realistic action requiring tennis strategy.
26-3080 . . . . . 24.95*

Monster Maze. Search for stacks of gold in an evil dungeon. Take care—laser-firing monsters could be around the next corner!
26-3081 . . . . . 24.95*

Gin Champion. Plays 16 different versions of gin at 10 different skill levels. Great for beginners—who want to learn basic technique—or seasoned players.
26-3083 . . . . . 29.95*

Slay the Nerius. Defend your submarines against deadly starfish and the ancient seaworm—the Nerius. A fast-action arcade-type game. 26-3086 . . . . . 24.95*

Clowns and Balloons. Bounce the clown with your net to pop the balloons overhead! Be careful—don't let the clown hit the ground! 26-3087 . . . . . 29.95*

Canyon Climber. As a cliff-hanger, you're challenged by one test after another—kicking goats, zinging arrows and falling objects. 26-3089 . . . . . 34.95*

Double Back. As you "double back" to catch your own tail, try to encircle the "safe" screen objects to gain points in this tricky game. 26-3091 . . . . . 19.95*

Reactoids. Prevent meltdown! Take control of the nuclear reactor's computer system to contain the atoms.
26-3092 . . . . . 19.95*

Dungeons of Daggorath. You're pitted against a succession of awesome beasts. Each victory brings you closer to your ultimate opponent—the evil wizard.
26-3093 . . . . . 29.95*

Star Blaze. Protect the Milky Way! Radar indicates menacing vessels nearby. Seek, destroy and check radar again. Red Alert!
26-3094 . . . . . 19.95*

Baseball. Plays just like the real game! Fantastic graphics. Control pitching, running and defense. Make big-league decisions. 26-3095 . . . . . 24.95

Cassette Game Software for Your Color Computer

NEW! Radio Ball. A deluxe, high-resolution pinball game. Requires 32K.
26-3319 . . . . . 19.95***

NEW! Pooyan. Take aim with your bow and arrows to protect the piglets from the wolves. Requires 32K.
26-3048 . . . . . 29.95***

Klendathu. Based on Robert G. Heinlein's "Starship Trooper"! The planet Klendathu is crawling with giant bugs! Destroy the deadly "soldier" insects.
26-2567 . . . . . 14.95***

Zaxxon. Dodge missiles, blow up fuel tanks and radar towers and zap the enemy fleet—then match wits with ZAXXON himself! 32K required.
26-3062 . . . . . 34.95***

Pyramid. Perilous adventure game! Explore the ancient pyramid's unknown passages for treasures! Carefully make your way past deadly hazards.
26-3310 . . . . . 14.95**

Raaka-Tu™. Venture into the temple of a lost civilization. The clever can gain vast treasures. Draw on your knowledge of magic and medicine.
26-3311 . . . . . 14.95**

Bedlam. You're "in" and you want to get out of this nutty place! But can you trust Napoleon or the guy who calls himself X-Ray? 26-3312 . . . . . 14.95**

Madness and the Minotaur. Beware of the mystical Minotaur and other strange creatures as you search the labyrinth for hidden treasure.
26-3313 . . . . . 14.95**

Card Games. Six games in one! Solo Poker, Solitaire and Black Jack for adults. Kids will love Fish, The Last Pirate and War.
26-3320 . . . . . 19.95**

*Joysticks required. **Cassette recorder required. ***Joysticks and cassette recorder required.

HANDY TRS-80 POCKET COMPUTERS

New! PC-3A Computer with More Memory

NEW FOR '85

99.95

USE YOUR Radio Shack CITILINE

- **Now with Over Twice the Memory—Full 4K RAM**
- **Programmable in Easy-to-Learn BASIC Language**
- **16 Arithmetic and 8 String Functions Built In**
- **Measures Only 3/8 x 5 5/16 x 2 3/4" ■ Weighs under 4 Oz.**

TRS-80 Pocket Computer Model PC-3A. Small enough to fit in pocket or purse, yet gives you real computing power—far beyond that of most programmable calculators. Program PC-3 to solve tough problems, or add the interface and a cassette recorder to use our ready-to-run software (see below). Use strings of up to seven characters. Features 24-character LCD, 10-digit accuracy, two-digit exponents, multiple statements, arrays, edit and trace. Statement compaction squeezes memory space. Automatic power-off saves battery life. Comes with batteries and manual. 26-3589 . . . 99.95

Add the PC-3 Printer/Cassette Interface

Shown with PC-3 (not included)

119.95

USE YOUR Radio Shack CITILINE

- **Produces Quality Printing on Thermal Paper**
- **Loads and Stores Programs on Cassette Tape**
- **Includes Rechargeable Batteries and Charger**

PC-3 Printer/Cassette Interface. Get the most from your TRS-80 PC-3 Pocket Computer with our combination thermal dot printer and cassette interface! Prints 24 characters per line at one line per second, with wrap-around. Ideal for program listings and "instant" data printouts at home, office, in the field—anywhere! Add a cassette recorder to load and save your own programs and data on ordinary cassette tape. Slip PC-3 into the Printer/Cassette Interface and you're ready to go! Measures only 1 1/4 x 9 7/16 x 3 3/4". Includes U.L. listed AC adapter/charger, paper, cable and manual.
26-3591 . . . . . 119.95

PC-3 Thermal Paper. 2 1/4" wide. 26-3592 . . . . . Pkg. of 5/2.49

Get This Completely Portable TRS-80 Pocket Computer System for Under $190

69.95

- **Measures 3/8 x 6 1/2 x 2 3/4"**
- **Expandable 544-Character Memory**

TRS-80 Pocket Computer Model PC-4. Our lowest-priced pocket computer ever! You can maintain up to 10 programs in memory or combine the programming area to allow longer programs. Each program can be identified with a single-key label and run simply by pressing the specified key. PC-4's BASIC includes 23 commands, 15 functions and 10-digit numeric accuracy. Use just two keystrokes to enter up to 16 common commands, such as LIST and GOSUB. Programs can accept words as data (strings up to 30 characters). Edit and Debug modes make the PC-4 much easier to program than a programmable calculator. The typewriter-style keyboard includes 53 alphabetic keys and a 10-key numeric datapad. The big 12-character LCD scrolls to 62 characters. Functions include trig and inverse trig, radians or gradians, log, exponent, square root, angular conversions and absolute values. With batteries and manual.
26-3650 . . . . . 69.95

TRS-80 Pocket Computer Software Library

Need ready-to-run programs for your TRS-80 Pocket Computer? A variety of useful and entertaining software is available on special order for TRS-80 PC-1, PC-2 and PC-3. These include financial, engineering special-purpose programs and games. Check with your local Radio Shack Computer Center or participating Radio Shack store or dealer for titles available.

Peripherals to Complete Your PC-4 System

TRS-80 PC-4 Cassette Interface

39.95

PC-4 Cassette Interface. Store and load programs on ordinary cassette tapes! Operates at 300 baud using an optional cassette recorder. Plugs into rear of PC-4. Weighs 8 1/2 oz., including batteries. Requires two "AA" alkaline batteries.
26-3651 . . . . . 39.95

TRS-80 PC-4 Thermal Printer

79.95

PC-4 Printer. Operates under control of PC-4 to print out programs and data at 20 characters per line (60 lpm) in an electro-thermal 5 x 7 dot matrix. Plugs directly into PC-4 or PC-4 Cassette Interface. Includes rechargeable batteries and U.L. listed AC adapter/charger that can be used to power the complete PC-4 system.
26-3652 . . . . . 79.95

PC-4 Thermal Paper. 65-711 . . . . . Pkg. of 5/1.99

1K RAM Module. Triples the memory of your PC-4 for an additional 1024 characters of program and data power. Inserts within PC-4. Only one module may be used. 26-3653 . . . . . 19.95

Carrying Case. Custom padded vinyl case protects your PC-4, printer and cassette interface wherever you go. Zippered opening. Pocket for AC adapter/charger. 26-3654 . . . . . 7.95

NEW LOW PRICES! TRS-80® MODEL 100

8K RAM
Was $799 in Cat. RSC-11
599.00
AS LOW AS $35 PER MONTH

24K RAM
Was $999 in Cat. RSC-11
799.00
AS LOW AS $45 PER MONTH

- **Five Built-In Programs**
- **Full-Size Typewriter-Style Keyboard**
- **Direct-Connect Modem and Auto-Dialer**
- **Big 8-Line by 40-Character LCD**

TRS-80 Model 100. A technological breakthrough! Our Micro Executive Workstation™ operates on batteries or optional AC adapter and fits in your briefcase with room to spare! Five built-in "instant-on" programs let you use Model 100 as a personal word processor, address/phone directory, appointment calendar and telephone auto-dialer. Access other computers or national information services by phone with the built-in modem and communications program. You can even write your own programs in BASIC. Includes parallel, RS-232C, cassette and bar code reader interfaces. Requires four "AA" batteries.

8K Model 100. 26-3801 . . . . . 599.00
24K Model 100. 26-3802 . . . . . 799.00
AC Adapter. U.L. Listed. 26-3804 . . 5.95
8K RAM Upgrade. Add up to three modules for up to 32K. Requires installation (not included). 26-3816 . . . . . 119.95

SPECIFICATIONS. Microprocessor: 8-bit 80C85 CMOS. **Clock Speed:** 2.4 MHz. **Memory:** 32K ROM; 8 or 24K RAM, expandable to 32K. **Keyboard:** Full-size 56-key typewriter style with embedded 10-key datapad, plus 8 programmable function keys, 4 command keys and 4 cursor control keys. **Display:** 8 x 40 Liquid Crystal Display, upper and lower case ASCII characters. 240 x 64 dot-matrix graphics. **Modem:** Built-in FCC-registered direct-connect modem with auto-dialer. 300 baud. Originate and answer. **Input/Output:** Parallel printer interface. RS-232C serial communications interface programmable up to 19,200 baud. Cassette tape interface loads at 1500 baud. Standard bar-code reader interface. **Dimensions:** 2 x 11 7/8 x 8 1/2". **Weight:** 3.9 lbs. **Power Supply:** Operations—Up to 20 hours on 4 "AA" alkaline batteries or optional U.L. listed AC power supply. Memory—Internal rechargeable nickel-cadmium batteries will maintain memory intact for up to 30 days with power off (depending on the amount of RAM installed) and are automatically recharged from "AA" batteries or AC power.

Model 100 Cassette Software for Greater Versatility

BASIC Language Lab. A complete and easy-to-understand tutorial on Model 100 BASIC. Covers redefining function keys, automatic program execution and more. With examples.
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Model 100 Software Described on This Page Requires Cassette Recorder

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26-3806 . . . . . 799.00

Second Disk Drive. Installation not included. 26-3807 . . . 239.95

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26-1275 . . . . . 299.95

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